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Idaho's State and Private Forest Resource

COMPLETED

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RESEARCH SUMMARY

The State and private forest land base in Idaho amounts to 4.6 million acres of which nearly 4.2 million is classed as timberland. These acres support nearly 8 billion cubic feet of growing stock, including 34 billion board feet of sawtimber. The overall outlook for this resource is positive although a serious overcutting situation may be developing in the northern part of the State. This report presents additional information on total land area, timberland area, timber inventory, annual growth, mortality, and removals.

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Idaho's State and Private Forest Resource

Dwane D. Van Hooser
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INTRODUCTION

This bulletin presents the findings of the most recent Forest Survey of Idaho's privately owned forest resources. This survey was begun with prefield work in January 1980 and ended in May 1984 with the finished data compilation. The field phase of the survey required two seasons—the first from May to November 1980, the second from mid-May through September 1981.

The information on State lands in this bulletin was supplied by the Idaho Department of Lands and reformatted by the Forest Survey Research Work Unit in Ogden, UT.

The data in this report pertain only to the State and private forest resource base, and will be presented for the State as a whole, by individual survey unit (fig. 1), by individual county, and by the four major marketing zones (fig. 2). Data for lands administered by various public agencies such as National Forest Systems and Bureau of Land Management will be included in a subsequent, comprehensive report that will include all lands and all owners.

The primary objective of Forest Survey—a continuing, nationwide undertaking of the Forest Service, U.S. Department of Agriculture—is to provide an assessment

Figure 1.—Idaho counties and survey units.

Figure 2.—Marketing zones in Idaho (source: Idaho Forest Products Marketing Bulletin).

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of the renewable resource situation for forest and rangelands of the Nation. Fundamental to the accomplishment of this objective are the periodic State-by-State resource inventories. Originally, Forest Survey was authorized by the McSweeney-McNary Act of 1928. The current authorization is through the Renewable Resources Research Act of 1978.

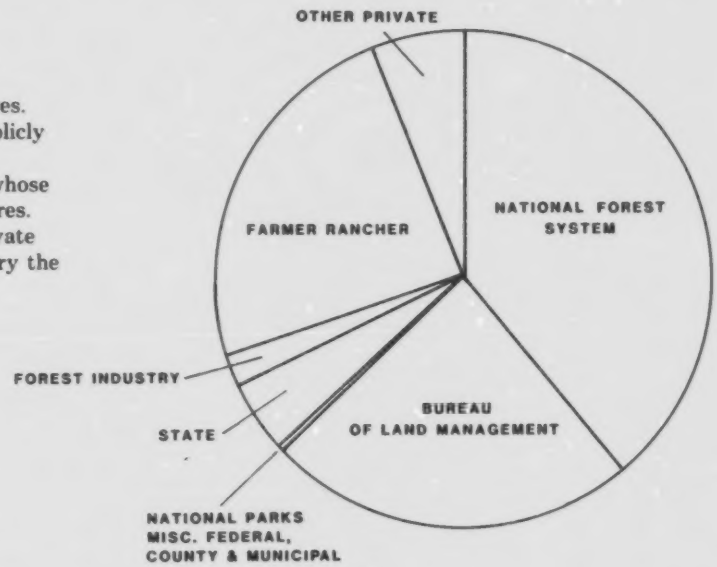
The Intermountain Research Station with headquarters in Ogden, UT, administers the forest resource inventories for the Rocky Mountain States of Arizona, Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Wyoming, western South Dakota, western Texas, and Oklahoma's Panhandle. These inventories provide information on the extent and condition of State and privately owned forest lands, volume of timber, and rates of timber growth, removals, and mortality. These data, when combined with similar information on Federal lands, provide a basis for forming forest policies and programs and for the orderly development and use of the resources.

HIGHLIGHTS

Area

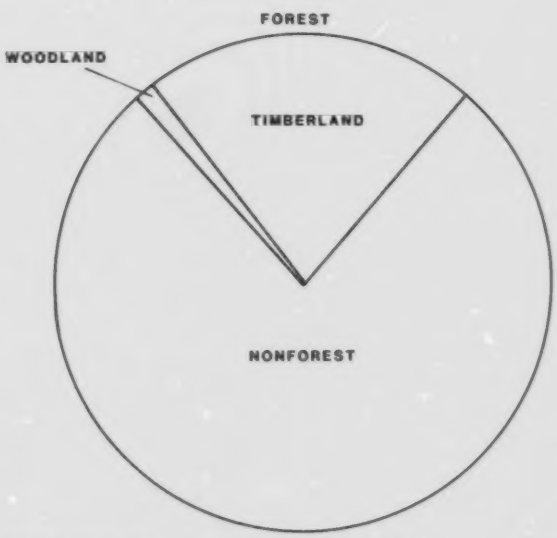
The land area of Idaho is about 52.9 million acres. Nearly 36.1 million of it (nearly 68 percent) is publicly owned.

The State of Idaho and private owners, about whose land this report is concerned, hold 19.5 million acres. The State has 2.6 million acres, nonindustrial private owners have about 15.6 million, and forest industry the other 1.3 million.



Distribution of land area in Idaho by ownership class.

Of the 19.5 million acres of State and private land, about 4.6 million is forested; 93 percent is timberland and 7 percent is classified as woodland.



Distribution of State and private land area by type of land.

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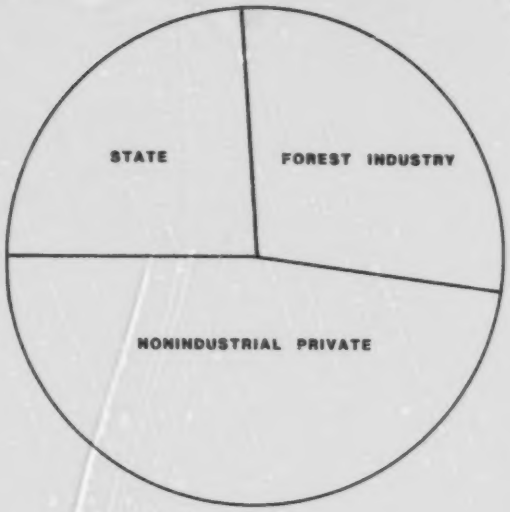
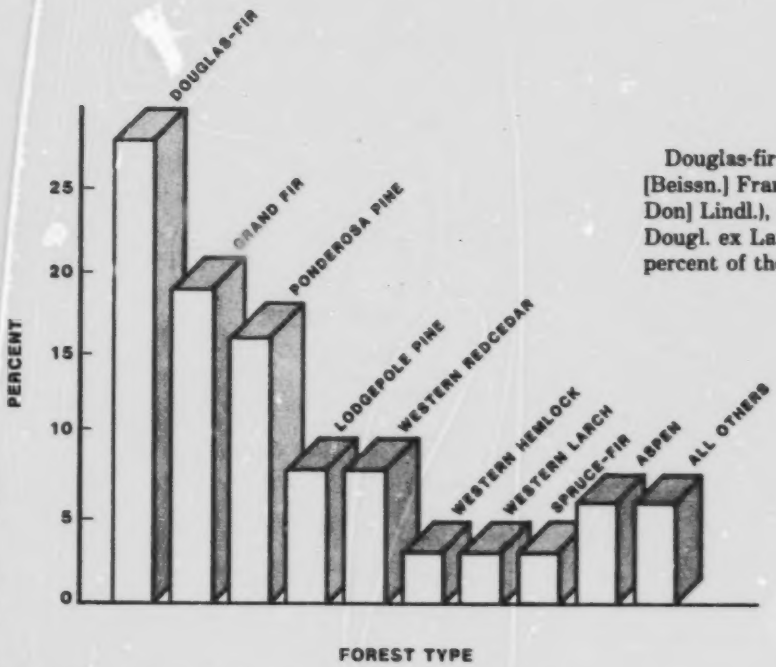


Distribution of State and private timberland by ownership class.

Timberland

Area.—Nearly half of the timberland in State and private holdings is in nonindustrial ownership. The remainder is roughly divided evenly between the State and forest industry holdings.



Distribution of State and private timberland by forest type.

Douglas-fir (*Pseudotsuga menziesii* var. *glauca* [Beissn.] Franco), grand fir (*Abies grandis* [Dougl. ex D. Don] Lindl.), and ponderosa pine (*Pinus ponderosa* Dougl. ex Laws. var. *ponderosa*) types make up over 60 percent of the timberland area.

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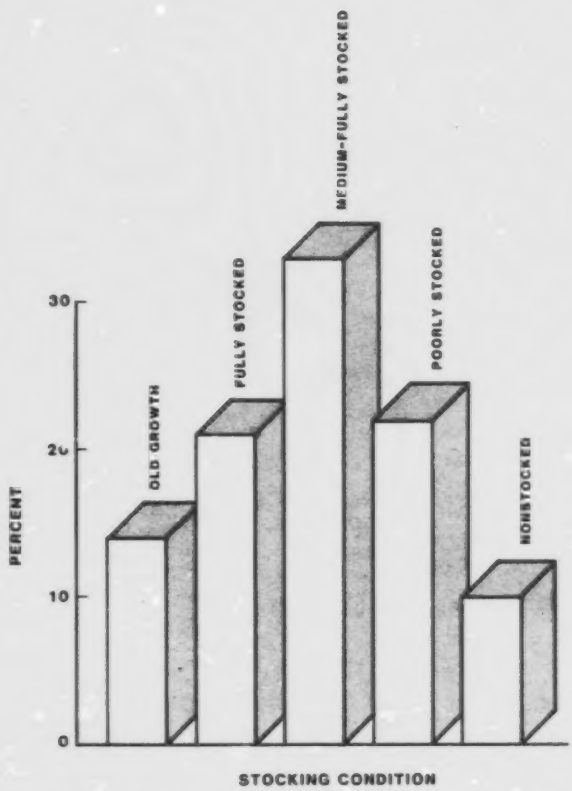
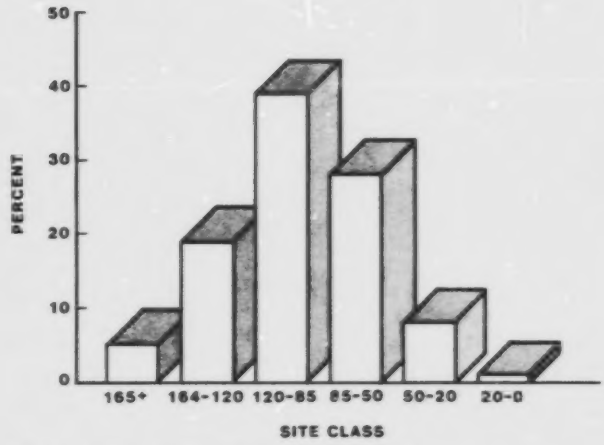
Roughly 14 percent of the State and private timberland is in old growth stands. Medium to fully stocked stands occupy more than half of the timberland acres. About 10 percent of the timberland area is nonstocked. And about 70 percent of the nonstocked area is in the Douglas-fir and ponderosa pine types.



Distribution of State and private timberland by stocking class.

Idaho's timberland is among the most productive in the Western United States. Nearly two-thirds of the timbered acres have the potential to produce more than 85 cubic feet per acre per year and about a fourth could potentially produce 120 cubic feet per acre per year or more.



Distribution of State and private timberland by site class.

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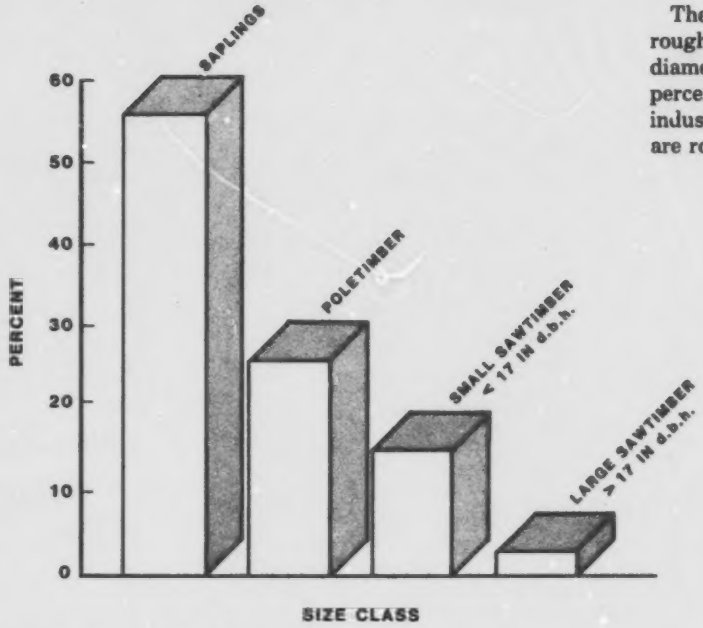
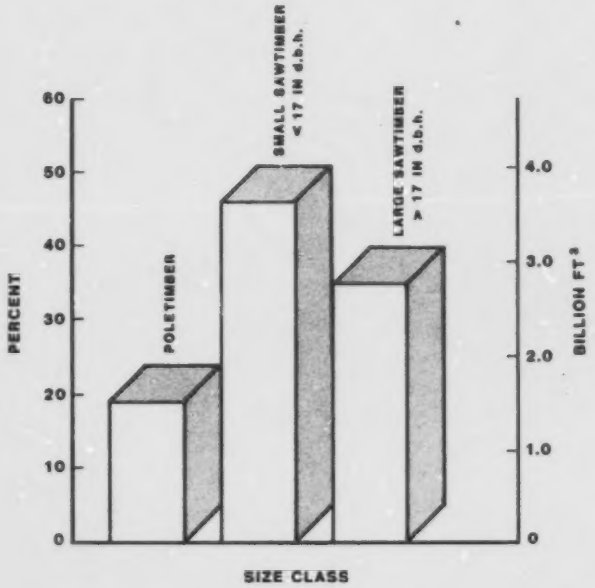


Distribution of trees on State and private timberland by tree size class.

There are an estimated 1.3 billion growing stock trees; roughly 96 percent of them are less than 17 inches diameter at breast height (d.b.h.). Of the dead trees, 73 percent are salvable, and over half of these are on non-industrial private land. About two-thirds of the cull trees are rotten.



Distribution of growing stock volume on State and private timberland by tree size class.

Volume.—Growing stock volume amounts to nearly 8 billion cubic feet, and sawtimber totals some 34 billion board feet. Rough, rotten, and salvable dead trees contribute an additional 453 million cubic feet.

About 86 percent of the growing stock volume is in sawtimber size stands and 10 percent in poletimber stands. The distribution by owner groups is roughly in the same proportion.

About 65 percent of the growing stock volume is in trees less than 17 inches d.b.h., and more than three-fourths of the sawtimber volume is in trees less than 21 inches d.b.h.

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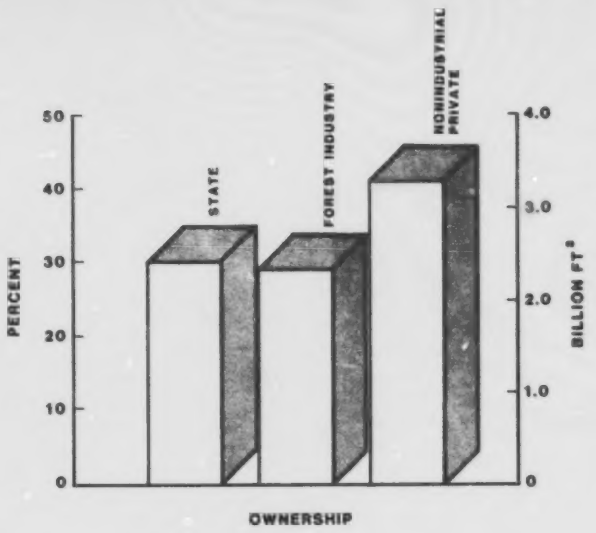
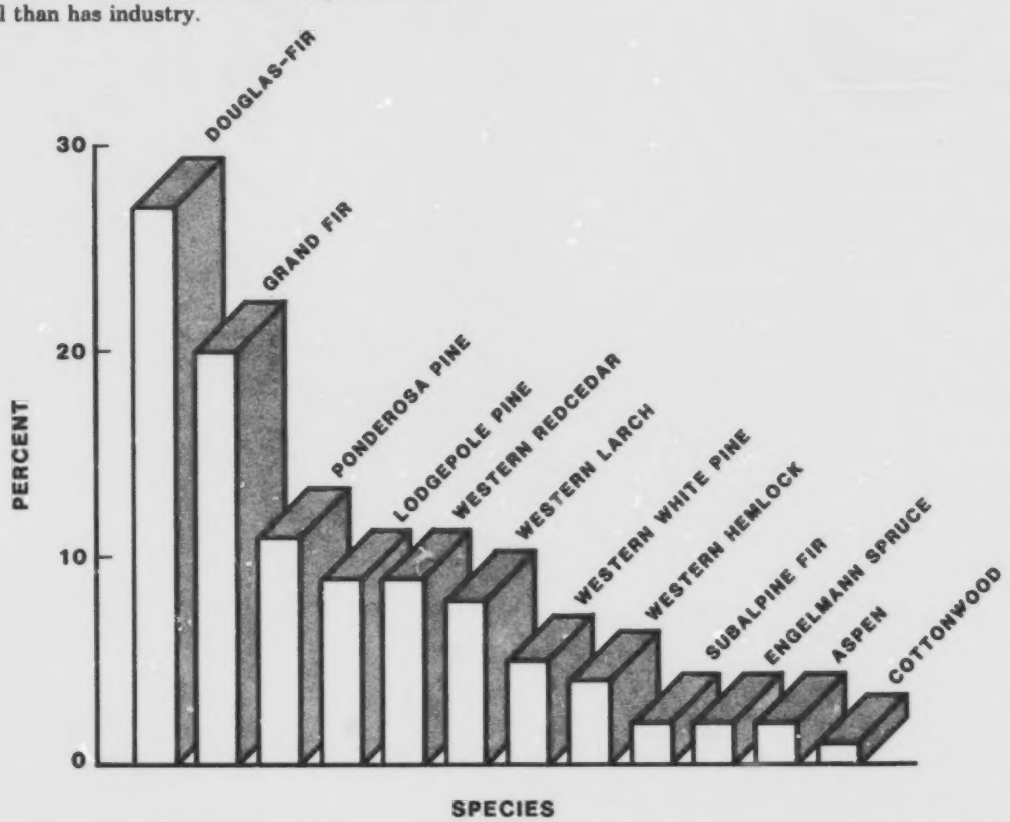
About 70 percent of the growing stock volume is on private land. Nonindustrial owners control slightly more volume than forest industry (10 percent more) but own nearly half again as much timberland.



Distribution of growing stock volume on State and private timberland by ownership class.

Douglas-fir, ponderosa pine, western redcedar (*Thuja plicata* Donn ex D. Don), and lodgepole pine (*Pinus contorta* Dougl. ex Loud.) make up about 60 percent of the growing stock volume, roughly the same proportion as timberland area occupied by those types. Nonindustrial private lands support over half the Douglas-fir, ponderosa pine, and lodgepole pine growing stock volume.

Nonindustrial owners have about 40 percent of the sawtimber volume. The State has about 5 percent more of the total than has industry.



Distribution of growing stock volume on State and private timberland by species.

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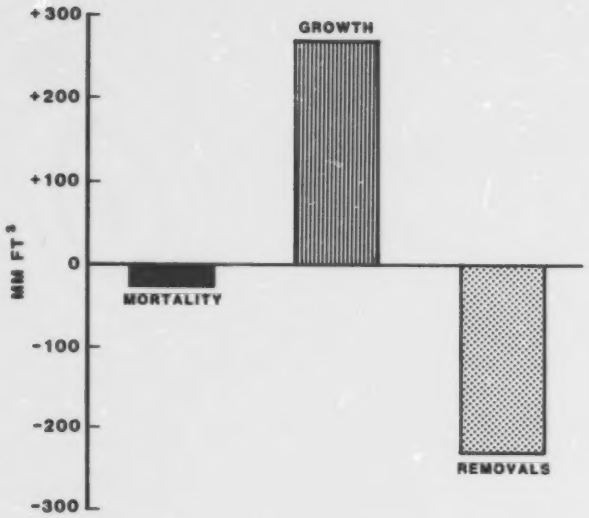
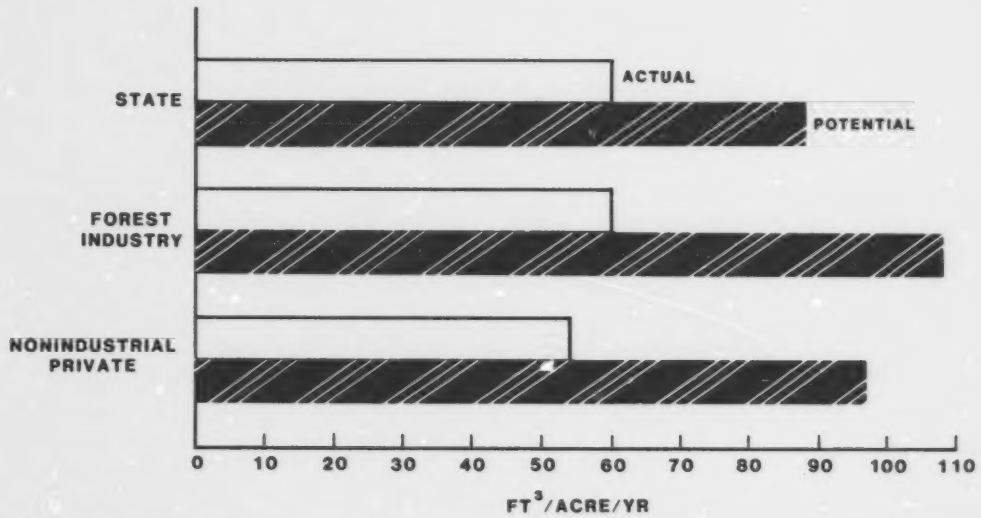


Components of change on State and private timberland.

Components of Change.—On an annual basis, gross growth of growing stock is increasing the standing volume about 3.4 percent or slightly more than one-quarter million cubic feet. Mortality, however, reduces this increment by 28 million cubic feet (108 million board feet of sawtimber), while removals from growing stock amount to 227 million cubic feet.

Thus, the inventory is increasing a mere 16 million cubic feet per year or 0.2 percent.

The current net annual growth per acre is 57 cubic feet, slightly more than half of the potential of 98 cubic feet per acre. The highest potential growth per acre is on forest industry lands and equals 108 cubic feet per acre per year. Acres managed by the State of Idaho are achieving nearly 70 percent of their potential net annual growth.



Actual vs. potential growth on State and private timberland by ownership class.

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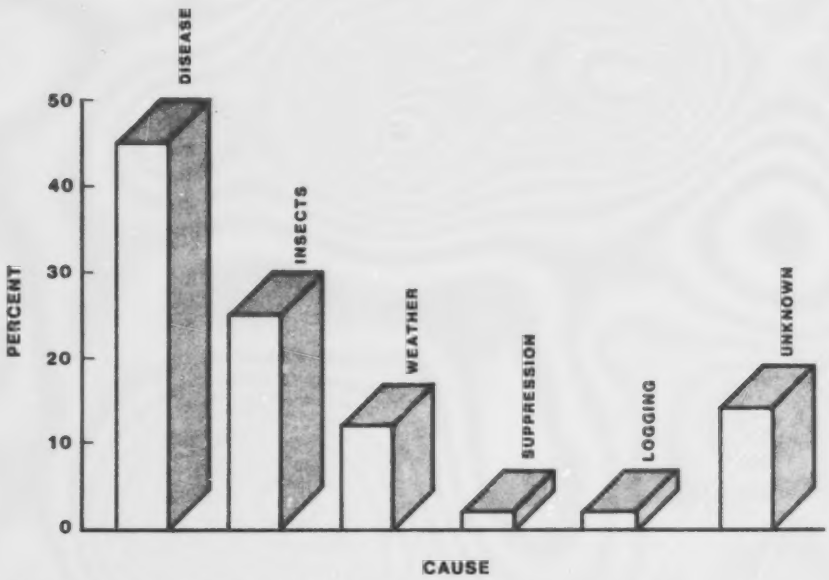
Disease was the major cause of mortality accounting for 45 percent of all dead trees. Another 25 percent succumbed to insect attacks.



Distribution of mortality from growing stock on State and private timberland by cause.

The removal of 227 million cubic feet of growing stock and 1,307 million board feet of sawtimber represents 3 percent of the growing stock inventory and nearly 4 percent of the sawtimber inventory. Nearly 90 percent of total removals went to industrial roundwood products. Sawlogs were the major product accounting for more than 60 percent of the harvest. Pulpwood and veneer logs combined for more than a third of the harvest.

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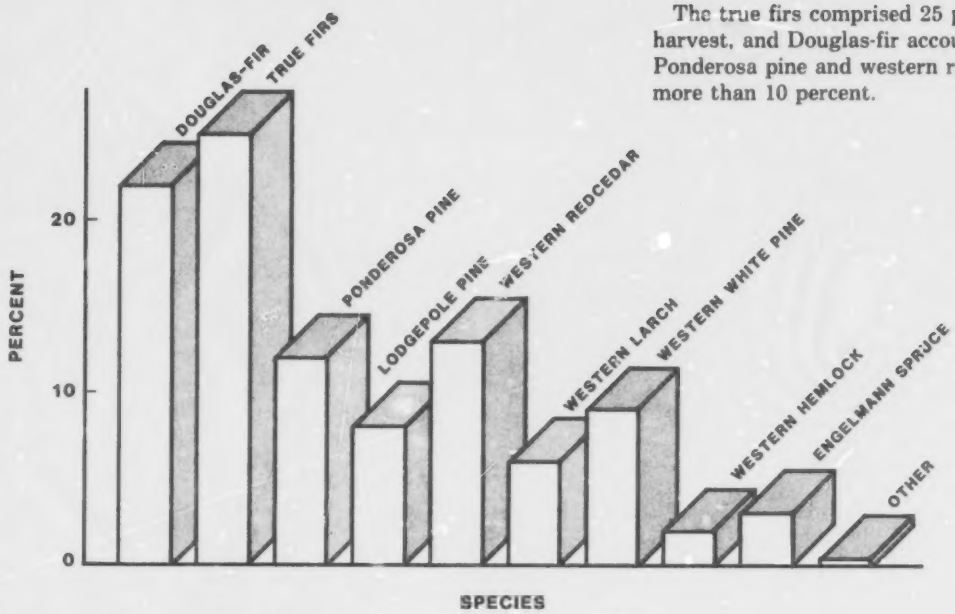
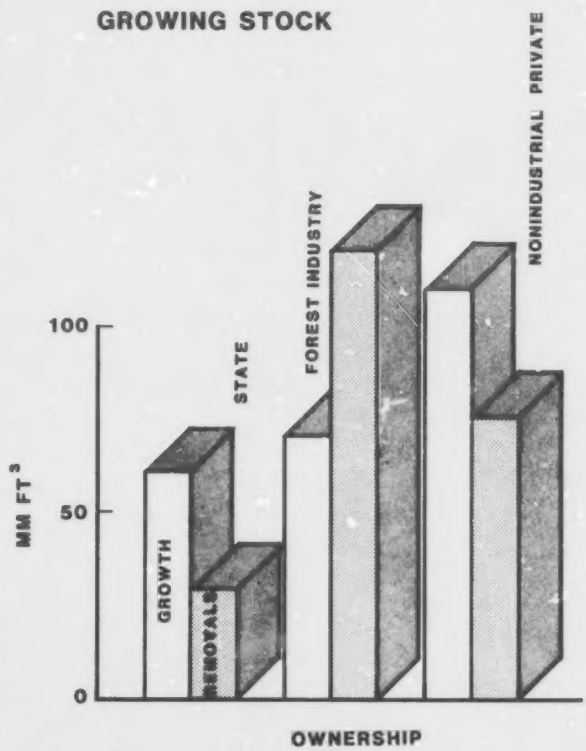
The true firs comprised 25 percent of the roundwood harvest, and Douglas-fir accounted for nearly 25 percent. Ponderosa pine and western redcedar each contributed more than 10 percent.



Distribution of removals from growing stock on State and private timberland by species.



Net annual growth and annual removals from growing stock on State and private timberland by ownership class.

The growth/removals ratio for growing stock is 1.07, indicating an increasing inventory. The ratio for sawtimber is 0.75, meaning a declining inventory.

The growth/removals ratio by ownership indicates that State and nonindustrial private holdings are increasing while forest industry lands are being harvested at a rate nearly twice their growth.

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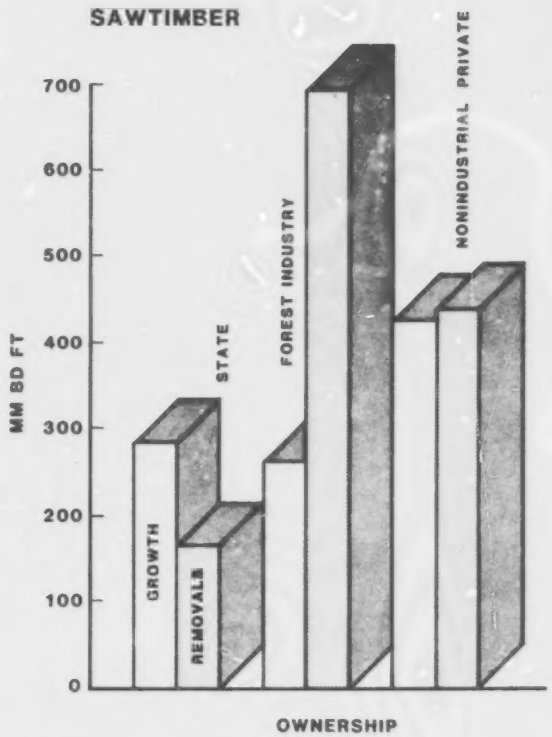
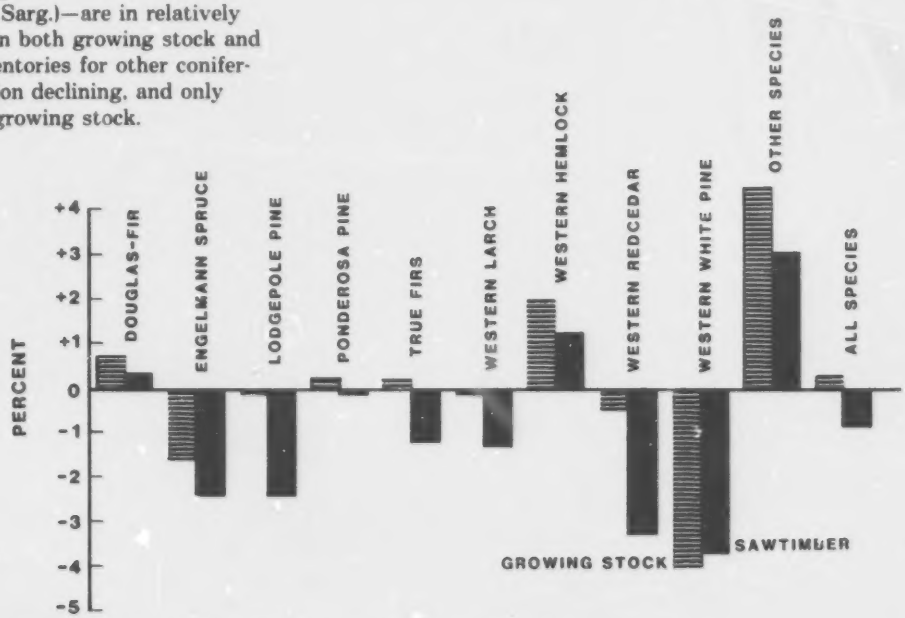
The sawtimber inventories are growing faster than they are being harvested on State-managed lands only. The forest industry and nonindustrial private acres are in a declining condition.



Net annual growth and annual removals from sawtimber on State and private timberland by ownership class.

Two coniferous species—Douglas-fir and western hemlock (*Tsuga heterophylla* [Raf.] Sarg.)—are in relatively good condition showing gains in both growing stock and sawtimber. The sawtimber inventories for other coniferous species are without exception declining, and only two show a positive return to growing stock.



Change in growing stock and sawtimber inventory on State and private timberland by species.

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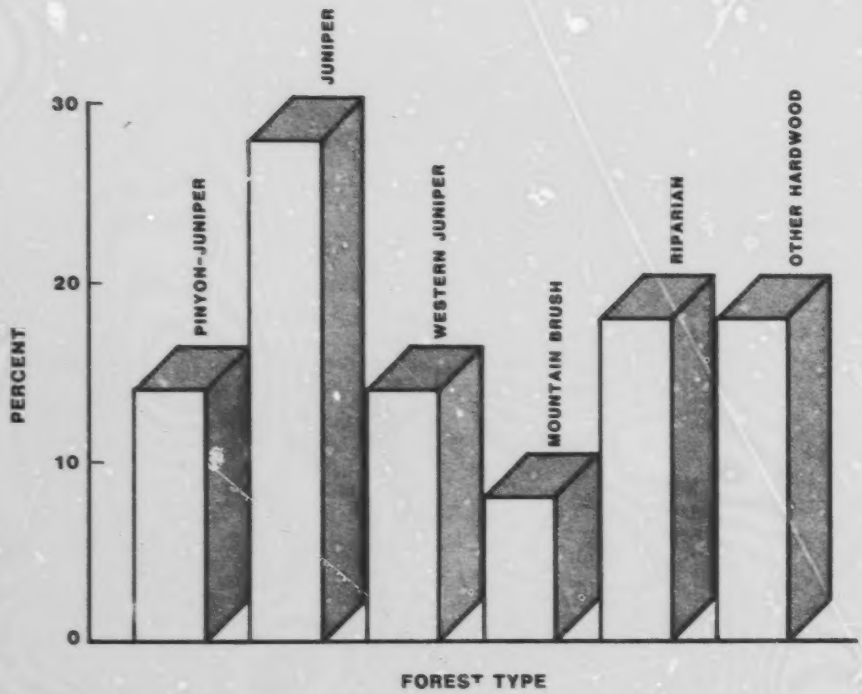
Woodlands

Woodland accounts for 7 percent of the State and privately owned forested area. These acres are concentrated south of the Salmon River. Nearly 80 percent of the woodland acres is in nonindustrial private ownership. An additional 18 percent is administered by the State.

More than half of these acres are dominated by juniper, either Rocky Mountain (*Juniperus scopulorum* Sarg.), Utah (*J. osteosperma* [Torr.] Little), or western (*J. occidentalis* Hook.).



Distribution of State and private woodland by forest type.

Net volume on woodland amounted to 134 million cubic feet of which 3 percent is in timberland species.

Woodland areas are growing at an annual rate of 3,044 thousand cubic feet, or 9.6 cubic feet per acre. Mortality amounted to 104 thousand cubic feet or 3.4 percent of the annual growth.

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HOW THE INVENTORY WAS CONDUCTED

The inventory was designed to provide reliable statistics primarily at the State and working circle levels.

Prefield

Initial area estimates were based on the classification of 216,482 sample points systematically placed on the latest aerial photographs available. The sample points were summarized and grouped into strata for subsequent field sampling. The photo points, adjusted to meet known land areas, were used to compute area expansion factors for the sampling strata means.

Field

Land classification and estimates for timber characteristics and volume were based on observations and measurements recorded at 2,826 ground sample locations, of which 550 were forested. Sample trees were selected using a 5-point cluster, which includes 1/300-acre fixed radius plots for trees less than 5 inches d.b.h., and 40 basal area factor variable radius plots for trees 5 inches d.b.h. or larger.

Compilation

All photo and field data were loaded onto tape and stored for computer editing, computation, and tabulation. Final estimates from these data were based on statistical summaries, a portion of which are included in this bulletin.

DATA RELIABILITY

Individual cells within tables should be used with caution. Some are based on very small sample sizes, which may result in high sampling errors. The standard error percentages shown in tables 1 and 2 were calculated at the 67 percent confidence level.

TERMINOLOGY

The following section contains definitions that are relevant to the timber resource data presented in this resource bulletin.

Land

Area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than 120 feet in width; and lakes, reservoirs, and ponds less than 1 acre in size.

Water

Streams, sloughs, estuaries, and canals more than 120 feet in width; and lakes, reservoirs, and ponds more than 1 acre in size.

Land Use Classes

Forest Land.—Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Timberland.—Forest land at least 10 percent stocked with timber species that are producing or capable of producing crops of industrial wood and not reserved. Currently areas that may be inaccessible or inoperable are included.

Reserved Forest Land.—Forest land withdrawn from timber utilization through statute or administrative designation.

Woodland.—Forest land less than 10 percent stocked with timber species and not reserved.

Nonforest Land.—Land that has never supported forests, and lands formerly forested where use for timber management is precluded by development for other uses.

Public Ownership Classes

National Forest Lands.—Federal lands legally designated as National Forest or purchase units and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Bureau of Land Management Lands.—Federal lands administered by the Bureau of Land Management.

Miscellaneous Federal Lands.—Federal lands other than (1) National Forest lands and (2) lands administered by the Bureau of Land Management.

State Lands.—Lands owned by States or lands leased to these governmental units for 50 years or more.

County and Municipal Lands.—Lands owned by counties and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Private Ownership Classes

Forest Industry Lands.—Lands owned by companies or by individuals operating wood-processing plants.

Farmer-Owned Lands.—Lands owned by farm operators. These exclude lands leased by farm operators from such nonfarm owners as railroad companies and States.

Other Private Lands.—Privately owned lands other than forest industry and farmer-owned lands.

Forest Type and Tree Species

Forest Types.—A classification of forest land based upon the species forming a plurality of live-tree stocking.

Forest Trees.—Woody plants having a well-developed stem or stems, usually more than 12 feet in height at maturity, with a more or less well defined crown.

Timber Species.—Forest tree species presently or prospectively suitable for industrial wood products.

Woodland Species.—Forest tree species not usually converted into conventional industrial wood products.

Softwoods.—Monocotyledonous trees, usually evergreen having needles or scalelike leaves.

Hardwoods.—Dicotyledonous trees, usually broadleaved and deciduous.

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Area Condition Classes

Stocking.—Stocking is an expression of the extent to which growing space is effectively utilized by present or potential growing stock trees of timber species. "Percent of stocking" is synonymous with "percentage of growing space occupied" and means the ratio of actual stocking to full stocking for comparable sites and stands. Basal area is used as a basis for measuring stocking.

"Stocking percentages" express current area occupancy in relation to specified standards for full stocking based on number, size, and spacing of trees considered necessary to fully utilize the forest land.

Full utilization of the site is assumed to occur over a range of basal area. As an interim guide, 60 percent of normal yield table values has been used to establish the lower limit of this range, which represents full-site occupancy, and equals 60 percent stocking. The upper limit of full stocking has been set at 80 percent.

Class 10.—Areas fully stocked (60 to 80 percent) with desirable trees and not overstocked (80 percent or more).

Class 20.—Areas fully stocked with desirable trees, but overstocked with all live trees.

Class 30.—Areas medium to fully stocked (35 to 60 percent) with desirable trees and with less than 20 percent of the area controlled by other trees and/or inhibiting vegetation or surface conditions that will prevent occupancy by desirable trees.

Class 40.—Areas medium to fully stocked with desirable trees and with 30 percent or more of the area controlled by other trees, or conditions that ordinarily prevent occupancy by desirable trees, or both.

Class 50.—Areas poorly stocked (10 to 35 percent) with desirable trees, but fully stocked with growing stock trees.

Class 60.—Areas poorly stocked with desirable trees, but with medium to full stocking of growing stock trees.

Class 70.—Areas nonstocked (less than 10 percent) or poorly stocked with desirable trees, and poorly stocked with growing stock trees.

Class 80.—Low-risk old-growth stands.

Class 90.—High-risk old-growth stands.

Nonstocked.—Areas less than 10 percent stocked with growing stock trees.

Productivity

Productivity Class.—A classification of forest land in terms of potential growth in cubic feet of fully stocked natural stands.

Stand-Size Classes

Sawtimber Stands.—Stands at least 10 percent stocked with growing stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber Stands.—Stands at least 10 percent stocked with growing stock trees in which half or more of this stocking is in poletimber or sawtimber trees, or both, and with poletimber stocking exceeding that of sawtimber.

Sapling-Seedling Stands.—Stands at least 10 percent stocked with growing stock trees in which more than half of the stocking is saplings, seedlings, or both.

Nonstocked Land.—Timberland that is less than 10 percent stocked with growing stock trees.

Class of Timber

Growing Stock Trees.—Live trees of timber species qualifying as desirable or acceptable trees. (Excludes rough, rotten, and dead trees of timber species and woodland species.)

Desirable Trees.—Growing stock trees (1) having no serious defect in quality to limit present or prospective use for timber products, (2) of relatively high vigor, and (3) containing no pathogens that may result in death or serious deterioration before rotation age.

Acceptable Trees.—Growing stock trees meeting specified standards of size and quality, but not qualifying as desirable trees.

Rough Trees.—Live trees that are timber species that do not contain at least one 12-foot sawlog or two noncontiguous sawlogs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of roughness or poor form.

Rotten Trees.—Live trees that are timber species that do not contain at least one 12-foot sawlog or two noncontiguous sawlogs, each 8 feet or longer, now or prospectively, and/or do not meet Rocky Mountain regional specifications for freedom from defect primarily because of rot; that is, when more than 50 percent of the cull volume (cubic-foot basis) in a tree is rotten.

Salvable Dead Trees.—Standing or down dead trees that are considered merchantable by Rocky Mountain regional standards.

Sawlog Portion.—That part of the bole of sawtimber trees between the stump and the sawlog top. A 1-foot stump is used.

Upper-Stem Portion.—That part of the bole of sawtimber trees above the sawlog top to a minimum top diameter of 4 inches outside bark or to the point where the central stem breaks into limbs, whichever occurs first.

Tree-Size Classes

Seedlings.—Live trees less than 1 inch d.b.h.

Saplings.—Trees 1 to 4.9 inches d.b.h.

Poletimber Trees.—Trees that are timber species at least 5 inches d.b.h., but smaller than sawtimber size.

Sawtimber Trees.—Trees that are timber species and exceed poletimber size. In the Intermountain States, the minimum d.b.h. for softwood sawtimber is 9 inches and for hardwoods 11 inches.

Volume

Cull Volume.—Portions of a tree's volume that are not usable for industrial wood products because of rot, form, or other defect.

Net Volume.—Gross volume less deductions for cull.

Growing Stock Volume.—Net volume in cubic feet of live sawtimber trees and live poletimber trees from

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stump to a minimum 4-inch top (of central stem) outside bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Sawtimber Volume.—Net volume in board feet of sawtimber trees of timber species. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Components of Change

Net Annual Growth.—The increase in net growing stock or sawtimber volume of a specified size class for a specific year. Components of net annual growth include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the size class during the year, minus the net volume of trees that died during the year, minus the net volume of trees that became rough or rotten trees during the year.

Mortality.—Number or sound-wood volume of growing stock trees dying from natural causes during a specified period, usually annually.

Removals.—The net volume of growing stock or sawtimber trees removed from the inventory by harvesting, including the unused portions of growing stock or sawtimber trees cut or killed by logging, and cultural operations such as timber stand improvement, land clearings, and changes in land use.

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FOREST SURVEY TABLES

Table 1.--Area of State and privately owned forest land in Idaho with percent standard error, 1981

Item	Softwoods		Hardwoods		All types	
	Acres	Percent standard error	Acres	Percent standard error	Acres	Percent standard error
Timberland	3,936,793	±1.0	311,321	± 9.5	4,248,114	±1.0
Woodland	176,076	±5.8	140,302	±17.3	316,378	±7.4
Reserved forest land:[1]						
Timberland	--		--		--	
Woodland	--		--		--	
Total forest land	4,112,869		451,623		4,564,492	

[1]Reserved land areas are estimated from aerial photos without field verification; therefore, standard errors are not calculated.

Table 2.--Net volume, net annual growth, and annual mortality of growing stock and sawtimber on State and privately owned timberland in Idaho with percent standard error

Item	Softwoods		Hardwoods		All species	
	Volume	Percent standard error	Volume	Percent standard error	Volume	Percent standard error
Net volume, 1981:						
Growing stock (M cubic feet)	7,670,468	±2.8	292,077	±11.7	7,962,545	±2.7
Sawtimber[1] (M board feet)	33,811,844	±3.0	632,031	±18.7	34,443,875	±2.9
Sawtimber[2] (M board feet)	28,602,782	±3.0	545,003	±18.9	29,147,785	±3.0
Net annual growth, 1980:						
Growing stock (M cubic feet)	229,676	±4.0	13,588	±17.0	243,264	±3.9
Sawtimber[1] (M board feet)	958,279	±3.8	23,036	±24.7	981,315	±3.8
Sawtimber[2] (M board feet)	857,085	±3.7	19,675	±23.5	876,760	±3.7
Annual mortality, 1980:						
Growing stock (M cubic feet)	25,572	±12.3	2,285	±39.8	27,857	±11.7
Sawtimber[1] (M board feet)	104,293	±12.7	3,635	±75.4	107,928	±12.5
Sawtimber[2] (M board feet)	88,456	±12.7	3,142	±75.2	91,598	±12.5

[1]International ¼-inch rule.

[2]Scribner rule.

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Table 3.--Total land and water area in Idaho by ownership class, 1981

Ownership class	Area
	- - - Acres - - -
Land:	
National Forest	20,422,830
Bureau of Land Management	12,620,859
National Park Service	87,142
Miscellaneous Federal lands	166,547
County and municipal	120,629
State	2,649,073
Private:	
Forest industry[1]	1,271,940
Nonindustrial private:	
Farmer-rancher	12,605,283
Other	2,946,773
Total nonindustrial private	15,552,056
Total private	16,823,996
Total land area	52,891,076
Census water	590,159
Total land and water[2]	53,481,235

[1]Forest industry is a component of private ownership, but because of its importance to the Idaho timber supply situation, area and resource statistics are shown separately in this and other tables dealing with owner groups in this report.

[2]U.S. Bureau of the Census, land and water area of the United States, 1980.

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Table 4.--Total land area in State and private ownership in Idaho by major land class and ownership class, 1981

Land class	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - - - - - - Acres - - - - - - - - - - - -			
Timberland	1,029,980	1,178,147	2,039,987	4,248,114
Woodland	57,826	10,180	248,372	316,378
Total	1,087,806	1,188,327	2,288,359	4,564,492
Nonforest land	1,561,267	83,613	13,263,697	14,908,577
Total land area	2,649,073	1,271,940	15,552,056	19,473,069

Table 5.--Cubic feet of net volume in trees on State and privately owned forest land in Idaho by species and ownership class, 1981

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - - - Thousand cubic feet - - - - - - - - -			
Douglas-fir	562,044	467,252	1,147,980	2,177,276
Ponderosa pine	194,811	142,582	501,045	838,438
Western white pine	217,045	67,373	116,349	400,767
Lodgepole pine	164,118	136,458	386,058	686,634
Limber pine	377	--	4,003	4,380
Western larch	175,713	191,240	231,678	598,631
Grand fir	504,146	665,841	400,612	1,570,599
Subalpine fir	58,735	62,436	39,900	161,071
Engelmann spruce	83,893	72,281	28,552	184,726
Western hemlock	106,633	129,446	59,623	295,702
Western redcedar	262,305	332,032	161,556	755,893
Aspen	61,621	4,151	121,742	187,514
Cottonwood	6,063	13,385	85,753	105,201
Total timberland species	2,397,504	2,284,477	3,284,851	7,966,832
Pinyon-juniper	31,235	30	71,886	103,151
Woodland hardwoods	8,583	11,401	60,780	80,764
Total woodland species	39,818	11,431	132,666	183,915
Total all species	2,437,322	2,295,908	3,417,517	8,150,747

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Table 6.--Cubic feet of net annual growth in trees on State and privately owned forest land in Idaho by species and ownership class, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - Thousand cubic feet - - - - - - -			
Douglas-fir	15,208	12,997	37,263	65,468
Ponderosa pine	5,600	3,929	18,419	27,948
Western white pine	2,244	-651	2,966	4,559
Lodgepole pine	,376	3,050	10,652	18,078
Limber pine	7	--	50	57
Western larch	4,652	2,714	5,637	13,003
Grand fir	13,982	24,027	14,988	52,997
Subalpine fir	1,878	3,232	2,918	8,028
Engelmann spruce	1,463	1,998	523	3,984
Western hemlock	3,047	4,373	1,838	9,258
Western redcedar	5,783	14,636	5,997	26,416
Aspen	3,022	206	7,577	10,805
Cottonwood	180	396	2,232	2,808
Total timberland species	61,442	70,907	111,060	243,409
Pinyon-juniper	649	2	1,222	1,873
Woodland hardwoods	127	214	1,658	1,999
Total woodland species	776	216	2,880	3,872
Total all species	62,218	71,123	113,940	247,281

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Table 7.--Cubic feet of annual mortality in trees on State and privately owned forest land in Idaho by species and ownership class, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - Thousand cubic feet - - - - - -			
Douglas-fir	613	1,490	3,089	5,192
Ponderosa pine	219	1,336	1,485	3,040
Western white pine	2,072	1,796	1,014	4,882
Lodgepole pine	366	561	851	1,778
Limber pine	--	--	--	--
Western larch	234	961	1,312	2,507
Grand fir	489	2,592	2,994	6,075
Subalpine fir	138	--	481	619
Engelmann spruce	147	--	--	147
Western hemlock	32	214	277	523
Western redcedar	24	632	153	809
Aspen	89	1	1,468	1,558
Cottonwood	14	--	713	727
Total timberland species	4,437	9,583	13,837	27,857
Pinyon-juniper	77	--	--	77
Woodland hardwoods	1	71	54	126
Total woodland species	78	71	54	203
Total all species	4,515	9,654	13,891	28,060

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Table 8.--Area of State and privately owned timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Douglas-fir:							
Sawtimber	70,053	227,730	353,522	153,891	8,444	--	813,640
Poletimber	13,947	9,332	30,965	38,447	3,935	--	96,626
Sapling and seedling	5,201	17,158	51,835	39,706	824	--	114,724
Nonstocked	227	3,240	22,275	54,699	66,095	7,314	153,850
Total	89,428	257,460	458,597	286,743	79,298	7,314	1,178,840
Western hemlock:							
Sawtimber	828	29,870	47,566	34,088	587	--	112,939
Poletimber	--	326	15,346	588	--	--	16,260
Sapling and seedling	--	628	6,929	313	398	--	8,268
Nonstocked	--	--	1,941	914	--	--	2,855
Total	828	30,824	71,782	35,903	985	--	140,322
Mountain hemlock:							
Sawtimber	--	--	--	219	--	--	219
Poletimber	--	--	--	138	--	--	138
Sapling and seedling	--	--	337	--	--	--	337
Nonstocked	--	--	585	1,112	--	--	1,697
Total	--	--	922	1,469	--	--	2,391
Ponderosa pine:							
Sawtimber	15,641	86,051	193,952	139,723	10,126	--	445,493
Poletimber	4,855	248	8,722	28,921	4,955	--	47,701
Sapling and seedling	--	12,180	14,067	22,781	295	--	49,323
Nonstocked	--	1,212	60,088	60,116	29,546	--	150,962
Total	20,496	99,691	276,829	251,541	44,922	--	693,479
Western white pine:							
Sawtimber	18,984	29,904	23,884	3,654	740	--	77,166
Poletimber	2,741	5,919	1,970	295	--	--	10,925
Sapling and seedling	456	897	1,367	1,613	--	--	4,333
Nonstocked	--	5,525	1,576	2,313	1,636	--	11,050
Total	22,181	42,245	28,797	7,875	2,376	--	103,474
Lodgepole pine:							
Sawtimber	13,578	9,912	74,208	57,782	15,043	--	170,523
Poletimber	15,004	6,884	23,961	37,721	7,024	--	90,594
Sapling and seedling	76	--	12,316	34,177	2,537	--	49,106
Nonstocked	--	377	11,115	13,419	1,257	--	26,168
Total	28,658	17,173	121,600	143,099	25,861	--	336,391
Western larch:							
Sawtimber	248	22,558	39,412	17,228	--	--	79,446
Poletimber	1,199	13,397	15,345	3,488	--	--	33,429
Sapling and seedling	481	--	2,011	305	--	--	2,797
Nonstocked	--	--	--	--	--	--	--
Total	1,928	35,955	56,768	21,021	--	--	115,672

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Table 8. (con.)

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Western redcedar:							
Sawtimber	34,554	47,497	118,942	36,230	2,009	--	239,232
Poletimber	326	6,542	8,777	2,737	--	--	18,382
Sapling and seedling	--	39,141	17,925	18,100	--	--	75,166
Nonstocked	--	5,229	9,281	4,007	2,212	--	20,729
Total	34,880	98,409	154,925	61,074	4,221	--	353,509
Grand fir:							
Sawtimber	28,716	180,449	303,608	133,125	864	--	646,762
Poletimber	4,875	1,082	12,277	9,504	377	--	28,115
Sapling and seedling	326	398	54,532	44,586	--	--	99,842
Nonstocked	--	14,553	6,840	8,942	1,822	--	32,157
Total	33,917	196,482	377,257	196,157	3,063	--	806,876
Spruce-subalpine fir:							
Sawtimber	--	8,035	47,028	37,663	2,897	--	95,623
Poletimber	--	--	7,304	11,932	1,690	--	20,926
Sapling and seedling	--	--	15,647	976	336	--	16,959
Nonstocked	--	--	--	11,612	1,258	--	12,870
Total	--	8,035	69,979	62,183	6,181	--	146,378
Spruce:							
Sawtimber	--	7,574	23,594	9,192	--	--	40,360
Poletimber	--	--	457	--	--	--	457
Sapling and seedling	--	--	5,861	11,091	--	--	16,952
Nonstocked	--	377	937	377	--	--	1,691
Total	--	7,951	30,849	20,660	--	--	59,460
Aspen:							
Sawtimber	164	--	3,341	5,622	2,835	--	11,962
Poletimber	--	--	1,479	20,038	66,011	4,908	92,436
Sapling and seedling	--	5,933	6,489	13,202	76,596	20,620	122,840
Nonstocked	--	--	--	691	635	4,908	6,234
Total	164	5,933	11,309	39,553	146,077	30,436	233,472
Cottonwood:							
Sawtimber	--	7,906	4,908	26,118	7,821	--	46,753
Poletimber	--	--	--	--	8,706	--	8,706
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	16,144	6,247	--	22,391
Total	--	7,906	4,908	42,262	22,774	--	77,850
All types:							
Sawtimber	182,766	657,486	1,233,965	654,535	51,366	--	2,780,118
Poletimber	42,947	43,730	126,603	153,809	92,698	4,908	464,695
Sapling and seedling	6,540	76,335	189,316	186,850	80,986	20,620	560,647
Nonstocked	227	30,513	114,638	174,346	110,708	12,222	442,654
Total	232,480	808,064	1,664,522	1,169,540	335,758	37,750	4,248,114

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Table 9.--Area of State owned timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Douglas-fir:							
Sawtimber	2,156	21,070	46,401	28,049	1,685	--	99,361
Poletimber	456	4,489	6,336	5,455	3,935	--	20,671
Sapling and seedling	358	788	4,683	8,697	824	--	15,350
Nonstocked	227	--	9,140	9,038	61,252	556	80,213
Total	3,197	26,347	66,560	51,239	67,696	556	215,595
Western hemlock:							
Sawtimber	828	9,695	19,262	10,189	587	--	40,561
Poletimber	--	326	1,141	588	--	--	2,055
Sapling and seedling	--	628	630	313	398	--	1,969
Nonstocked	--	--	1,941	914	--	--	2,855
Total	828	10,649	22,974	12,004	985	--	47,440
Mountain hemlock:							
Sawtimber	--	--	--	219	--	--	219
Poletimber	--	--	--	138	--	--	138
Sapling and seedling	--	--	337	--	--	--	337
Nonstocked	--	--	585	1,112	--	--	1,697
Total	--	--	922	1,469	--	--	2,391
Ponderosa pine:							
Sawtimber	2,892	9,412	28,866	46,226	10,126	--	97,522
Poletimber	126	248	1,963	9,812	4,955	--	17,104
Sapling and seedling	--	207	1,613	4,838	295	--	6,953
Nonstocked	--	1,212	19,277	18,578	11,390	--	50,457
Total	3,018	11,079	51,719	79,454	26,766	--	172,036
Western white pine:							
Sawtimber	5,097	29,904	23,884	3,654	740	--	63,279
Poletimber	2,741	1,076	1,970	295	--	--	6,082
Sapling and seedling	456	897	1,367	1,613	--	--	4,333
Nonstocked	--	296	1,576	2,313	1,636	--	5,821
Total	8,294	32,173	28,797	7,875	2,376	--	79,515
Lodgepole pine:							
Sawtimber	2,437	3,613	12,057	22,457	10,200	--	50,764
Poletimber	1,117	342	2,891	8,693	7,024	--	20,067
Sapling and seedling	76	--	2,630	3,064	2,537	--	8,307
Nonstocked	--	377	5,227	3,037	1,257	--	9,898
Total	3,630	4,332	22,805	37,251	21,018	--	89,036
Western larch:							
Sawtimber	248	2,260	10,284	4,949	--	--	17,741
Poletimber	1,199	4,353	4,204	3,488	--	--	13,244
Sapling and seedling	481	--	2,011	305	--	--	2,797
Nonstocked	--	--	--	--	--	--	--
Total	1,928	6,613	16,499	8,742	--	--	33,782

(con.)

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Table 9. (con.)

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	- - - - - - - - - - - - - - - - Acres - - - - - - - - - - - - - - - -						
Western redcedar:							
Sawtimber	5,334	17,665	27,681	18,377	2,009	--	71,066
Poletimber	326	--	1,987	2,737	--	--	5,050
Sapling and seedling	--	32	4,028	3,651	--	--	7,711
Nonstocked	--	--	4,052	4,007	2,212	--	10,271
Total	5,660	17,697	37,748	28,772	4,221	--	94,098
Grand fir:							
Sawtimber	3,689	25,184	66,682	54,523	864	--	150,942
Poletimber	32	1,082	2,592	2,962	377	--	7,045
Sapling and seedling	326	398	1,055	2,105	--	--	3,884
Nonstocked	--	713	6,840	8,942	1,822	--	18,317
Total	4,047	27,377	77,169	68,532	3,063	--	180,188
Spruce-subalpine fir:							
Sawtimber	--	2,174	15,279	13,621	2,897	--	33,971
Poletimber	--	--	355	2,333	1,690	--	4,378
Sapling and seedling	--	--	1,879	976	336	--	3,191
Nonstocked	--	--	--	2,013	1,258	--	3,271
Total	--	2,174	17,513	18,943	6,181	--	44,811
Spruce:							
Sawtimber	--	3,211	4,242	2,433	--	--	9,886
Poletimber	--	--	457	--	--	--	457
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	377	937	377	--	--	1,691
Total	--	3,588	5,636	2,810	--	--	12,034
Aspen:							
Sawtimber	164	--	3,341	5,622	2,835	--	11,962
Poletimber	--	--	1,479	5,537	17,260	74	24,350
Sapling and seedling	--	45	404	6,443	6,036	176	13,104
Nonstocked	--	--	--	691	635	74	1,400
Total	164	45	5,224	13,293	26,766	324	50,816
Cottonwood:							
Sawtimber	--	--	74	2,654	--	--	2,728
Poletimber	--	--	--	--	2,694	--	2,694
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	2,654	162	--	2,816
Total	--	--	74	5,308	2,656	--	8,238
All types:							
Sawtimber	22,845	124,188	258,053	212,973	31,943	--	650,002
Poletimber	5,997	11,916	25,375	42,038	37,935	74	123,335
Sapling and seedling	1,697	2,995	20,637	32,005	10,426	176	67,936
Nonstocked	227	2,975	49,575	53,676	81,624	630	188,707
Total	30,766	142,074	353,640	340,692	161,928	880	1,029,980

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Table 10.--Area of forest industry timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Douglas-fir:							
Sawtimber	13,426	90,410	45,395	32,021	--	--	181,252
Poletimber	13,491	--	747	7,941	--	--	22,179
Sapling and seedling	--	5,229	13,720	12,279	--	--	31,228
Nonstocked	--	460	7,050	8,334	--	--	15,844
Total	26,917	96,099	66,912	60,575	--	--	250,503
Western hemlock:							
Sawtimber	--	20,175	22,006	14,855	--	--	57,036
Poletimber	--	--	7,906	--	--	--	7,906
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	20,175	29,912	14,855	--	--	64,942
Mountain hemlock:							
Sawtimber	--	--	--	--	--	--	--
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--
Ponderosa pine:							
Sawtimber	7,906	1,592	33,137	19,462	--	--	62,097
Poletimber	--	--	--	12,810	--	--	12,810
Sapling and seedling	--	--	2,052	12,404	--	--	14,456
Nonstocked	--	--	2,052	6,299	5,965	--	14,316
Total	7,906	1,592	37,241	50,975	5,965	--	103,679
Western white pine:							
Sawtimber	--	--	--	--	--	--	--
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	5,229	--	--	--	--	5,229
Total	--	5,229	--	--	--	--	5,229
Lodgepole pine:							
Sawtimber	--	--	27,635	14,178	--	--	41,813
Poletimber	--	6,542	6,542	1,440	--	--	14,524
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	6,542	34,177	15,618	--	--	56,337
Western larch:							
Sawtimber	--	13,999	9,680	12,279	--	--	35,958
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	13,999	9,680	12,279	--	--	35,958

(con.)

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Table 10. (con.)

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Western redcedar:							
Sawtimber	6,949	20,788	56,513	17,853	--	--	102,103
Poletimber	--	6,542	6,790	--	--	--	13,332
Sapling and seedling	--	34,266	13,897	14,449	--	--	62,612
Nonstocked	--	5,229	5,229	--	--	--	10,458
Total	6,949	66,825	82,429	32,302	--	--	188,505
Grand fir:							
Sawtimber	6,542	81,077	175,197	33,569	--	--	296,385
Poletimber	--	--	--	6,542	--	--	6,542
Sapling and seedling	--	--	31,644	16,134	--	--	47,778
Nonstocked	--	13,840	--	--	--	--	13,840
Total	6,542	94,917	206,841	56,245	--	--	364,545
Spruce-subalpine fir:							
Sawtimber	--	5,861	25,861	7,289	--	--	39,011
Poletimber	--	--	6,949	17	--	--	6,966
Sapling and seedling	--	--	13,768	--	--	--	13,768
Nonstocked	--	--	--	17	--	--	17
Total	--	5,861	46,578	7,323	--	--	59,762
Spruce:							
Sawtimber	--	4,363	19,352	--	--	--	23,715
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	5,861	11,091	--	--	16,952
Nonstocked	--	--	--	--	--	--	--
Total	--	4,363	25,213	11,091	--	--	40,667
Aspen:							
Sawtimber	--	--	--	--	--	--	--
Poletimber	--	--	--	--	17	--	17
Sapling and seedling	--	--	--	--	--	26	26
Nonstocked	--	--	--	--	--	--	--
Total	--	--	--	--	17	26	43
Cottonwood:							
Sawtimber	--	7,906	--	--	--	--	7,906
Poletimber	--	--	--	--	9	--	9
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	62	--	--	62
Total	--	7,906	--	62	9	--	7,977
All types:							
Sawtimber	34,823	246,171	414,776	151,506	--	--	847,276
Poletimber	13,491	13,084	28,934	28,750	26	--	84,285
Sapling and seedling	--	39,495	80,942	66,357	--	26	186,820
Nonstocked	--	24,758	14,331	14,712	5,965	--	59,766
Total	48,314	323,508	538,983	261,325	5,991	26	1,178,147

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Table 11.--Area of nonindustrial private timberland in Idaho by forest type, stand-size class, and productivity class, 1981

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Douglas-fir:							
Sawtimber	54,471	116,250	261,726	93,821	6,759	--	533,027
Poletimber	--	4,843	23,882	25,051	--	--	53,776
Sapling and seedling	4,843	11,141	33,432	18,730	--	--	68,146
Nonstocked	--	2,780	6,085	37,327	4,843	6,758	57,793
Total	59,314	135,014	325,125	174,929	11,602	6,758	712,742
Western hemlock:							
Sawtimber	--	--	6,298	9,044	--	--	15,342
Poletimber	--	--	6,299	--	--	--	6,299
Sapling and seedling	--	--	6,299	--	--	--	6,299
Nonstocked	--	--	--	--	--	--	--
Total	--	--	18,896	9,044	--	--	27,940
Mountain hemlock:							
Sawtimber	--	--	--	--	--	--	--
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--
Ponderosa pine:							
Sawtimber	4,843	75,047	131,949	74,035	--	--	285,874
Poletimber	4,729	--	6,759	6,299	--	--	17,787
Sapling and seedling	--	11,973	10,402	5,539	--	--	27,914
Nonstocked	--	--	38,759	35,239	12,191	--	86,189
Total	9,572	87,020	187,869	121,112	12,191	--	417,764
Western white pine:							
Sawtimber	13,887	--	--	--	--	--	13,887
Poletimber	--	4,843	--	--	--	--	4,843
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	13,887	4,843	--	--	--	--	18,730
Lodgepole pine:							
Sawtimber	11,141	6,299	34,516	21,147	4,843	--	77,946
Poletimber	13,887	--	14,528	27,588	--	--	56,003
Sapling and seedling	--	--	9,686	31,113	--	--	40,799
Nonstocked	--	--	5,888	10,382	--	--	16,270
Total	25,028	6,299	64,618	90,230	4,843	--	191,018
Western larch:							
Sawtimber	--	6,299	19,448	--	--	--	25,747
Poletimber	--	9,044	11,141	--	--	--	20,185
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	15,343	30,589	--	--	--	45,932

(con.)

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Table 11. (con.)

Forest type and stand-size class	Productivity class						Total acres
	165+	120-164	85-119	50-84	20-49	0-19	
	Acres						
Western redcedar:							
Sawtimber	22,271	9,044	34,748	--	--	--	66,063
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	4,843	--	--	--	--	4,843
Nonstocked	--	--	--	--	--	--	--
Total	22,271	13,887	34,748	--	--	--	70,906
Grand fir:							
Sawtimber	18,485	74,188	61,729	45,033	--	--	199,435
Poletimber	4,843	--	9,685	--	--	--	14,528
Sapling and seedling	--	--	21,833	26,347	--	--	48,180
Nonstocked	--	--	--	--	--	--	--
Total	23,328	74,188	93,247	71,380	--	--	262,143
Spruce-subalpine fir:							
Sawtimber	--	--	5,888	16,753	--	--	22,641
Poletimber	--	--	--	9,582	--	--	9,582
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	9,582	--	--	9,582
Total	--	--	5,888	35,917	--	--	41,805
Spruce:							
Sawtimber	--	--	--	6,759	--	--	6,759
Poletimber	--	--	--	--	--	--	--
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	--	--	--	--
Total	--	--	--	6,759	--	--	6,759
Aspen:							
Sawtimber	--	--	--	--	--	--	--
Poletimber	--	--	--	14,501	48,734	4,834	68,069
Sapling and seedling	--	5,888	6,085	6,759	70,560	20,418	109,710
Nonstocked	--	--	--	--	--	4,834	4,834
Total	--	5,888	6,085	21,260	119,294	30,086	182,613
Cottonwood:							
Sawtimber	--	--	4,834	23,464	7,821	--	36,119
Poletimber	--	--	--	--	6,003	--	6,003
Sapling and seedling	--	--	--	--	--	--	--
Nonstocked	--	--	--	13,428	6,085	--	19,513
Total	--	--	4,834	36,892	19,909	--	61,635
All types:							
Sawtimber	125,098	287,127	561,136	290,056	19,423	--	1,282,840
Poletimber	23,459	18,730	72,294	83,021	54,737	4,834	257,075
Sapling and seedling	4,843	33,845	87,737	88,488	70,560	20,418	305,891
Nonstocked	--	2,780	50,732	105,958	23,119	11,592	194,181
Total	153,400	342,482	771,899	567,523	167,839	36,844	2,039,987

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Table 12.--Area of State and privately owned timberland in Idaho by stand volume and ownership class, 1981

Stand volume per acre[1]	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - - - - - - Acres - - - - - - - - - - - -			
Less than 1,500 board feet	294,515	216,307	570,930	1,081,752
1,500 to 4,999 board feet	182,611	281,030	457,944	921,585
5,000 to 9,999 board feet	170,796	326,858	513,809	1,011,463
10,000 board feet or more	382,058	353,952	497,304	1,233,314
All classes	1,029,980	1,178,147	2,039,987	4,248,114

[1]International ¼-inch rule.

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Table 13.--Area of State and privately owned timberland in Idaho by forest type and area condition class, 1981

Forest type	Area condition class									Nonstocked	All classes
	10	20	30	40	50	60	70	80	90		
	Acres										
Douglas-fir	--	--	71,089	84,553	110,136	333,260	303,716	56,251	65,985	153,850	1,178,840
Western hemlock	--	--	14,414	198	40,478	24,186	8,275	9,272	40,644	2,855	140,322
Mountain hemlock	--	--	--	--	139	337	--	--	218	1,697	2,391
Ponderosa pine	--	--	--	5,933	51,288	181,272	275,008	--	29,016	150,962	693,479
Western white pine	--	--	--	--	29,663	17,369	13,290	--	32,102	11,050	103,474
Lodgepole pine	7,050	--	--	51,164	103,522	82,086	43,274	--	23,127	26,168	336,391
Western larch	--	11,382	--	6,989	44,735	20,221	2,580	5,891	23,874	--	115,672
Western redcedar	--	--	13,897	13,888	75,760	54,956	83,840	13,738	76,701	20,729	353,509
Grand fir	24,022	52,762	13,049	142,969	216,507	114,842	91,877	27,225	91,466	32,157	806,876
Spruce-subalpine fir	--	--	--	21,549	22,127	26,988	17,390	25,047	20,407	12,870	146,378
Spruce	--	--	5,861	--	3,145	11,573	12,404	6,960	17,826	1,691	59,460
Aspen	--	--	--	10,200	95,858	58,279	58,028	--	4,873	6,234	233,472
Cottonwood	--	--	--	--	7,907	24,348	23,204	--	--	22,391	77,850
All types	31,072	64,144	118,310	337,443	801,265	949,717	932,886	144,384	426,239	442,654	4,248,114

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Table 14.--Number of growing stock trees on State and privately owned timberland in Idaho by species and diameter class, 1981

Species	Diameter class (inches at breast height)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand trees															
Douglas-fir	62,375	48,220	42,809	29,358	25,787	16,257	11,815	7,218	4,687	3,007	1,372	897	520	231	329	254,882
Ponderosa pine	9,690	16,638	13,725	10,164	6,662	6,868	3,929	3,212	1,630	1,516	752	545	270	134	292	76,027
Western white pine	10,081	2,489	2,726	970	1,817	1,399	1,237	518	610	398	227	156	147	62	207	23,044
Lodgepole pine	39,999	15,132	24,066	20,098	9,859	5,964	1,723	588	113	93	37	2	--	--	1	117,675
Limber pine	696	--	--	135	119	--	51	--	--	2	--	--	--	--	--	1,003
Western larch	11,098	14,008	16,576	11,122	6,458	3,757	2,436	1,486	741	449	256	165	84	64	97	68,797
Grand fir	125,324	71,795	37,694	20,067	15,061	8,636	6,109	3,903	2,198	1,334	607	474	384	226	552	294,364
Subalpine fir	9,561	6,651	5,973	4,276	1,678	2,025	782	450	102	102	51	13	53	3	4	31,724
Engelmann spruce	9,618	4,036	2,419	1,844	1,053	672	512	356	211	139	230	138	82	54	97	21,461
Western hemlock	41,824	17,628	10,183	4,537	3,007	2,126	1,239	679	536	311	171	105	77	54	64	82,541
Western redcedar	98,727	30,845	18,516	10,351	7,816	4,254	3,153	2,430	1,377	1,000	788	391	248	233	794	180,923
Total softwoods	418,993	227,442	174,687	112,922	79,317	51,958	32,986	20,840	12,205	8,351	4,491	2,886	1,865	1,061	2,437	1,152,441
Aspen	45,364	24,150	29,933	9,899	2,693	1,022	219	122	64	40	19	1	--	1	--	113,527
Cottonwood	2,510	870	1,039	234	587	791	549	416	359	146	175	142	48	29	118	8,013
Total hardwoods	47,874	25,020	30,972	10,133	3,280	1,813	768	538	423	186	194	143	48	30	118	121,540
All species	466,867	252,462	205,659	123,055	82,597	53,771	33,754	21,378	12,628	8,537	4,685	3,029	1,913	1,091	2,555	1,273,981

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Table 15.--Number of cull and salvable dead trees on State and privately owned timberland in Idaho by ownership class, and softwoods and hardwoods, 1981

Ownership class and species group	Cull trees			Salvable dead trees	All dead trees
	Sound	Rotten	Total		
	- - - - - - - - - - Thousand trees - - - - - - - - - -				
State:					
Softwoods	5,080	1,858	6,938	1,387	8,325
Hardwoods	28	542	570	571	1,141
Total	5,108	2,400	7,508	1,958	9,466
Forest industry:					
Softwoods	359	2,881	3,240	16,181	19,421
Hardwoods	--	--	--	47	47
Total	359	2,881	3,240	16,228	19,468
Nonindustrial private:					
Softwoods	--	2,526	2,526	18,412	20,938
Hardwoods	--	2,483	2,483	6,384	8,867
Total	--	5,009	5,009	24,796	29,805
Total:					
Softwoods	5,439	7,265	12,704	35,980	48,684
Hardwoods	28	3,025	3,053	7,002	10,055
Total	5,467	10,290	15,757	42,982	58,739

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Table 16.--Net volume of growing stock on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

Ownership class	Forest type	Stand-size class				All classes
		Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	
		- - - - - - - - - - Thousand cubic feet - - - - - - - - - -				
State:						
	Douglas-fir	288,072	34,444	7,846	1,403	331,765
	Western hemlock	144,001	5,884	2,954	--	152,839
	Mountain hemlock	70	30	--	51	151
	Ponderosa pine	234,832	20,252	3,665	7,310	266,059
	Western white pine	344,896	9,613	2,685	980	358,174
	Lodgepole pine	123,415	55,367	4,894	1,000	184,676
	Western larch	62,732	48,780	4,974	--	116,486
	Western redcedar	260,526	11,008	8,000	1,979	281,513
	Grand fir	470,184	7,293	2,755	3,112	483,344
	Spruce-subalpine fir	86,681	9,093	1,901	369	98,044
	Spruce	41,668	753	--	343	42,764
	Aspen	22,940	38,167	12,840	--	73,947
	Cottonwood	4,912	1,103	--	952	6,967
	All types	2,084,929	241,787	52,514	17,499	2,396,729
Forest industry:						
	Douglas-fir	453,604	53,554	9,470	2,122	518,750
	Western hemlock	129,287	11,239	--	--	140,526
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	66,071	10,144	15,135	1,660	93,010
	Western white pine	--	--	--	--	--
	Lodgepole pine	90,662	51,548	--	--	142,210
	Western larch	110,236	--	--	--	110,236
	Western redcedar	326,748	6,102	38,537	--	371,387
	Grand fir	714,490	1,800	11,578	--	727,868
	Spruce-subalpine fir	74,041	13,252	7,932	5	95,230
	Spruce	50,440	--	10,630	--	61,070
	Aspen	--	18	5	--	23
	Cottonwood	24,142	3	--	22	24,167
	All types	2,039,721	147,660	93,287	3,809	2,284,477
Nonindustrial private:						
	Douglas-fir	1,134,656	76,911	40,273	4,127	1,255,967
	Western hemlock	17,304	5,300	1,490	--	24,094
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	458,190	12,593	8,832	15,652	495,267
	Western white pine	62,262	504	--	--	62,766
	Lodgepole pine	196,810	154,723	22,004	1,223	374,760
	Western larch	105,018	44,857	--	--	149,875
	Western redcedar	247,254	--	--	--	247,254
	Grand fir	398,033	20,635	9,841	--	428,509
	Spruce-subalpine fir	55,836	3,339	--	2,982	62,157
	Spruce	14,204	--	--	--	14,204
	Aspen	--	73,638	21,244	--	94,882
	Cottonwood	63,476	2,456	--	5,672	71,604
	All types	2,753,043	394,956	103,684	29,656	3,281,339
Total:						
	Douglas-fir	1,876,332	164,909	57,589	7,652	2,106,482
	Western hemlock	290,592	22,423	4,444	--	317,459
	Mountain hemlock	70	30	--	51	151
	Ponderosa pine	759,093	42,989	27,632	24,622	854,336
	Western white pine	407,158	10,117	2,685	980	420,940
	Lodgepole pine	410,887	261,638	26,898	2,223	701,646
	Western larch	277,986	93,637	4,974	--	376,597
	Western redcedar	834,528	17,110	46,537	1,979	900,154
	Grand fir	1,582,707	29,728	24,174	3,112	1,639,721
	Spruce-subalpine fir	216,558	25,684	9,833	3,356	255,431
	Spruce	106,312	753	10,630	343	118,038
	Aspen	22,940	111,823	34,089	--	168,852
	;tonwood	92,530	3,562	--	6,646	102,738
	All types	6,877,693	784,403	249,485	50,964	7,962,545

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Table 17.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

Ownership class	Forest type	Stand-size class				All classes
		Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	
		- - - - Thousand board feet, International ¼-inch rule - - - -				
State:						
	Douglas-fir	1,314,932	45,313	26,324	7,148	1,393,717
	Western hemlock	739,075	12,523	11,078	--	762,676
	Mountain hemlock	265	--	--	--	265
	Ponderosa pine	1,270,107	29,655	13,469	44,730	1,357,961
	Western white pine	1,987,960	18,909	6,529	6,285	2,019,683
	Lodgepole pine	519,297	65,949	9,606	5,979	600,831
	Western larch	327,447	65,583	11,487	--	404,517
	Western redcedar	1,382,233	17,446	12,125	8,522	1,420,326
	Grand fir	2,535,844	8,453	8,416	4,656	2,557,369
	Spruce-subalpine fir	416,632	17,387	3,049	1,955	439,023
	Spruce	247,722	890	--	2,154	250,766
	Aspen	109,492	29,187	17,618	--	156,297
	Cottonwood	24,173	1,414	--	4,494	30,081
	All types	10,875,179	312,709	119,701	85,923	11,393,512
Forest industry:						
	Douglas-fir	2,220,057	118,065	27,265	6,694	2,372,081
	Western hemlock	493,102	27,735	--	--	520,837
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	306,125	23,672	59,422	4,935	394,154
	Western white pine	--	--	--	--	--
	Lodgepole pine	304,913	65,511	--	--	370,424
	Western larch	522,567	--	--	--	522,567
	Western redcedar	1,540,874	--	130,224	--	1,671,098
	Grand fir	3,050,979	--	30,054	--	3,081,033
	Spruce-subalpine fir	345,652	28,293	15,677	28	389,650
	Spruce	265,892	--	54,201	--	320,093
	Aspen	--	--	--	--	--
	Cottonwood	130,635	4	--	102	130,741
	All types	9,180,796	263,280	316,843	11,759	9,772,678
Nonindustrial private:						
	Douglas-fir	5,032,929	162,970	153,889	14,056	5,363,844
	Western hemlock	72,115	6,091	--	--	78,206
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	2,227,917	22,430	40,191	77,998	2,368,536
	Western white pine	340,526	--	--	--	340,526
	Lodgepole pine	705,374	232,972	87,543	--	1,025,889
	Western larch	535,592	84,229	--	--	619,821
	Western redcedar	1,045,945	--	--	--	1,045,945
	Grand fir	1,655,792	35,997	26,017	--	1,717,806
	Spruce-subalpine fir	214,497	3,026	--	15,693	233,216
	Spruce	61,566	--	--	--	61,566
	Aspen	--	41,447	43,337	--	84,784
	Cottonwood	307,618	3,152	--	26,776	337,546
	All types	12,199,871	592,314	350,977	134,523	13,277,685
Total:						
	Douglas-fir	8,567,918	326,348	207,478	27,898	9,129,642
	Western hemlock	1,304,292	46,349	11,078	--	1,361,719
	Mountain hemlock	265	--	--	--	265
	Ponderosa pine	3,804,149	75,757	113,082	127,663	4,120,651
	Western white pine	2,328,486	18,909	6,529	6,285	2,360,209
	Lodgepole pine	1,529,584	364,432	97,149	5,979	1,997,144
	Western larch	1,385,606	149,812	11,487	--	1,546,905
	Western redcedar	3,969,052	17,446	142,349	8,522	4,137,369
	Grand fir	7,242,615	44,450	64,487	4,656	7,356,208
	Spruce-subalpine fir	976,781	48,706	18,726	17,676	1,061,889
	Spruce	575,180	890	54,201	2,154	632,425
	Aspen	109,492	70,634	60,955	--	241,081
	Cottonwood	462,426	4,570	--	31,372	498,368
	All types	32,255,846	1,168,303	787,521	232,205	34,443,875

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Table 18.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class, forest type, and stand-size class, 1981

Ownership class	Forest type	Stand-size class				All classes
		Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	
		Thousand board feet, Scribner rule				
State:						
	Douglas-fir	1,113,526	36,338	22,196	5,537	1,177,597
	Western hemlock	637,251	10,539	9,489	--	657,279
	Mountain hemlock	180	--	--	--	180
	Ponderosa pine	1,074,048	23,809	10,872	38,379	1,147,108
	Western white pine	1,731,848	16,026	4,983	5,591	1,758,448
	Lodgepole pine	437,651	55,422	8,183	5,291	506,547
	Western larch	272,368	52,716	8,979	--	334,063
	Western redcedar	1,183,783	14,275	10,205	7,181	1,215,444
	Grand fir	2,193,146	6,792	7,169	3,777	2,210,884
	Spruce-subalpine fir	354,758	14,738	2,616	1,556	373,668
	Spruce	217,667	792	--	1,917	220,376
	Aspen	92,680	23,701	14,302	--	130,683
	Cottonwood	21,050	1,164	--	3,959	26,173
	All types	9,329,956	256,3.	98,994	73,188	9,758,450
Forest industry:						
	Douglas-fir	1,886,112	92,802	23,349	5,434	2,007,697
	Western hemlock	415,558	22,899	--	--	438,457
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	253,765	17,869	46,854	3,756	322,244
	Western white pine	--	--	--	--	--
	Lodgepole pine	255,170	54,176	--	--	309,346
	Western larch	429,659	--	--	--	429,659
	Western redcedar	1,316,782	--	107,378	--	1,424,160
	Grand fir	2,603,166	--	23,939	--	2,627,105
	Spruce-subalpine fir	292,068	23,108	13,781	24	328,981
	Spruce	233,889	--	44,209	--	278,098
	Aspen	--	--	--	--	--
	Cottonwood	115,098	3	--	90	115,191
	All types	7,801,267	210,857	259,510	9,304	8,280,938
Nonindustrial private:						
	Douglas-fir	4,232,768	133,368	126,480	10,270	4,502,886
	Western hemlock	57,464	4,290	--	--	61,754
	Mountain hemlock	--	--	--	--	--
	Ponderosa pine	1,833,315	17,306	33,300	63,818	1,947,739
	Western white pine	290,452	--	--	--	290,452
	Lodgepole pine	584,041	196,409	71,739	--	852,189
	Western larch	447,329	68,724	--	--	516,053
	Western redcedar	870,058	--	--	--	870,058
	Grand fir	1,403,065	29,290	20,225	--	1,452,580
	Spruce-subalpine fir	182,467	2,693	--	13,390	198,550
	Spruce	54,049	--	--	--	54,049
	Aspen	--	33,209	37,669	--	70,878
	Cottonwood	265,178	2,593	--	23,438	291,209
	All types	10,220,186	487,882	289,413	110,916	11,108,397
Total:						
	Douglas-fir	7,232,406	262,508	172,025	21,241	7,688,180
	Western hemlock	1,110,273	37,728	9,489	--	1,157,490
	Mountain hemlock	180	--	--	--	180
	Ponderosa pine	3,161,128	58,984	91,026	105,953	3,417,091
	Western white pine	2,022,300	16,026	4,983	5,591	2,048,900
	Lodgepole pine	1,276,862	306,007	79,922	5,291	1,668,082
	Western larch	1,149,356	121,440	8,979	--	1,279,775
	Western redcedar	3,370,623	14,275	117,583	7,181	3,509,662
	Grand fir	6,199,377	36,082	51,333	3,777	6,290,569
	Spruce-subalpine fir	829,293	40,539	16,397	14,970	901,199
	Spruce	505,605	792	44,209	1,917	552,523
	Aspen	92,680	56,910	51,971	--	201,561
	Cottonwood	401,326	3,760	--	27,487	432,573
	All types	27,351,409	955,051	647,917	193,408	29,147,785

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Table 19.--Net volume of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1981

Species	Diameter class (inches at breast height)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand cubic feet													
Douglas-fir	130,264	185,549	275,818	287,660	308,012	255,882	216,713	173,889	100,392	80,193	58,032	30,670	70,904	2,173,978
Ponderosa pine	19,760	45,085	57,471	108,230	96,311	107,212	78,802	88,440	57,677	54,327	32,614	21,831	70,478	838,438
Western white pine	12,160	6,691	27,476	35,199	45,432	27,588	42,207	36,369	25,705	21,417	24,280	12,585	83,658	400,767
Lodgepole pine	124,492	185,934	146,700	135,750	52,490	26,588	5,672	5,770	2,971	80	--	--	187	686,634
Limber pine	--	1,529	1,243	--	1,432	--	--	176	--	--	--	--	--	4,380
Western larch	57,541	81,935	87,399	81,034	73,815	61,278	41,869	33,679	20,844	17,326	11,043	9,238	21,630	598,631
Grand fir	104,077	130,913	189,457	183,994	198,983	170,931	132,840	104,594	60,908	51,329	53,981	38,827	149,765	1,570,599
Subalpine fir	22,089	30,048	18,595	36,374	18,151	16,275	4,076	5,427	3,419	1,092	4,642	323	560	161,071
Engelmann spruce	8,422	12,365	14,010	13,871	16,024	14,060	13,129	11,008	22,533	15,487	11,815	9,380	22,622	184,726
Western hemlock	22,681	31,853	37,413	42,312	35,973	27,524	28,526	20,238	14,402	9,013	8,168	7,362	10,237	295,702
Western redcedar	61,097	63,120	80,439	63,169	65,838	66,003	49,089	42,641	40,839	23,708	18,683	20,870	159,046	755,542
Total softwoods	562,583	775,022	936,021	987,593	912,461	773,341	612,923	523,231	349,890	273,972	223,258	151,086	589,087	7,670,468
Aspen	71,743	56,840	27,156	15,127	5,023	4,742	2,951	1,913	1,430	217	--	269	--	187,411
Cottonwood	1,611	493	5,375	13,143	12,247	12,904	13,444	6,655	9,837	8,364	3,047	3,257	14,289	104,666
Total hardwoods	73,354	57,333	32,531	28,270	17,270	17,646	16,395	8,568	11,267	8,581	3,047	3,526	14,289	292,077
All species	635,937	832,355	968,552	1,015,863	929,731	790,987	629,318	531,799	361,157	282,553	226,305	154,612	603,376	7,962,545

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Table 20.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1981

Species	Diameter class (inches at breast height)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand board feet, International ¼-inch rule											
Douglas-fir	1,029,008	1,443,590	1,649,611	1,415,848	1,223,309	993,496	582,489	470,253	345,568	185,420	433,257	9,771,849
Ponderosa pine	191,400	492,858	509,110	603,664	465,111	529,089	353,266	332,909	202,678	141,768	475,431	4,297,284
Western white pine	116,636	197,827	261,917	161,881	242,154	215,621	157,708	130,963	147,498	80,102	517,782	2,230,089
Lodgepole pine	644,728	789,649	303,560	151,401	31,826	31,657	16,266	481	--	--	1,138	1,970,706
Limber pine	3,733	--	8,178	--	--	1,057	--	--	--	--	--	12,968
Western larch	377,300	485,924	444,445	371,099	253,384	205,516	129,199	110,866	71,077	59,636	139,878	2,648,324
Grand fir	730,227	978,968	1,094,920	942,230	719,490	566,401	330,912	272,125	290,930	229,472	832,149	6,987,824
Subalpine fir	76,386	192,848	98,245	88,727	22,880	30,335	20,181	6,822	26,517	2,004	3,508	569,053
Engelmann spruce	58,310	76,720	89,760	79,443	73,953	62,391	125,825	90,572	72,029	59,115	147,210	935,328
Western hemlock	146,152	212,359	190,744	152,377	158,843	113,136	84,571	52,175	48,449	44,283	61,183	1,264,272
Western redcedar	305,788	318,456	337,574	337,533	260,305	222,241	205,459	121,444	99,758	112,831	812,758	3,124,147
Total softwoods	3,680,268	5,189,199	4,988,064	4,304,203	3,441,255	2,970,940	2,005,876	1,588,610	1,304,504	914,631	3,424,294	33,811,844
Aspen	XXXXX	78,835	26,819	24,644	15,430	9,225	7,304	1,294	--	1,612	--	165,163
Cottonwood	XXXXX	67,523	62,199	64,004	64,784	31,058	44,927	37,739	13,593	15,019	66,022	466,868
Total hardwoods	XXXXX	146,358	89,018	88,648	80,214	40,283	52,231	39,033	13,593	16,631	66,022	632,031
All species	3,680,268	5,335,557	5,077,082	4,392,851	3,521,469	3,011,223	2,058,107	1,627,643	1,318,097	931,262	3,490,316	34,443,875

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Table 21.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1981

Species	Diameter class (inches at breast height)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand board feet, Scribner rule											
Douglas-fir	805,137	1,155,838	1,381,216	1,211,775	1,060,966	868,701	518,415	418,526	307,555	165,024	385,599	8,278,752
Ponderosa pine	126,278	369,656	410,271	500,221	393,356	450,788	303,321	289,015	177,539	125,882	422,975	3,569,302
Western white pine	96,038	163,670	224,604	141,817	214,345	191,863	139,720	116,514	131,267	71,291	460,825	1,951,954
Lodgepole pine	537,154	658,044	260,003	133,797	28,249	28,173	14,476	428	--	--	1,013	1,661,337
Limber pine	3,322	--	6,956	--	--	941	--	--	--	--	--	11,219
Western larch	281,441	361,153	353,822	308,567	217,586	180,077	113,864	98,568	63,258	53,075	124,492	2,155,903
Grand fir	591,294	804,000	937,267	821,357	635,164	503,172	294,486	242,154	258,928	204,230	740,613	6,032,665
Subalpine fir	62,792	156,784	82,373	76,822	19,934	26,748	17,946	6,072	23,600	1,782	3,122	477,975
Engelmann spruce	47,755	62,836	75,956	68,175	64,555	54,831	111,984	80,609	64,106	52,613	131,017	814,437
Western hemlock	115,720	173,148	164,270	134,752	141,370	100,690	74,665	46,375	43,120	39,411	54,453	1,087,974
Western redcedar	246,333	243,841	261,876	263,132	196,984	177,945	168,386	101,677	84,802	97,205	719,083	2,561,264
Total softwoods	2,913,264	4,148,970	4,158,614	3,660,415	2,972,509	2,583,929	1,757,263	1,399,938	1,154,175	810,513	3,043,192	28,602,782
Aspen	XXXXX	63,072	22,685	21,716	13,691	8,210	6,501	1,152	--	1,435	--	138,462
Cottonwood	XXXXX	55,957	52,970	55,627	56,846	27,430	39,934	33,553	12,097	13,367	58,760	406,541
Total hardwoods	XXXXX	119,029	75,655	77,343	70,537	35,640	46,435	34,705	12,097	14,802	58,760	545,003
All species	2,913,264	4,267,999	4,234,269	3,737,758	3,043,046	2,619,569	1,803,698	1,434,643	1,166,272	825,315	3,101,952	29,147,785

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Table 22.--Net volume of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1981

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - - Thousand cubic feet - - - - - - - -			
Douglas-fir	561,380	467,252	1,145,346	2,173,978
Ponderosa pine	194,811	142,582	501,045	838,438
Western white pine	217,045	67,373	116,349	400,767
Lodgepole pine	164,118	136,458	386,058	686,634
Limber pine	377	--	4,003	4,380
Western larch	175,713	191,240	231,678	598,631
Grand fir	504,146	665,841	400,612	1,570,599
Subalpine fir	58,735	62,436	39,900	161,071
Engelmann spruce	83,893	72,281	28,552	184,726
Western hemlock	106,633	129,446	59,623	295,702
Western redcedar	262,302	332,032	161,208	755,542
Total softwoods	2,329,153	2,266,941	3,074,374	7,670,468
Aspen	61,518	4,151	121,742	187,411
Cottonwood	6,058	13,385	85,223	104,666
Total hardwoods	67,576	17,536	206,965	292,077
All species	2,396,729	2,284,477	3,281,339	7,962,545

Table 23.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1981

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Douglas-fir	2,614,890	2,127,471	5,029,488	9,771,849
Ponderosa pine	1,052,672	731,704	2,512,908	4,297,284
Western white pine	1,266,364	357,587	606,138	2,230,089
Lodgepole pine	487,189	395,398	1,088,119	1,970,706
Limber pine	1,640	--	11,328	12,968
Western larch	732,414	954,108	961,802	2,648,324
Grand fir	2,677,986	2,707,735	1,602,103	6,987,824
Subalpine fir	226,044	227,754	115,255	569,053
Engelmann spruce	477,373	323,176	134,779	935,328
Western hemlock	518,913	530,114	215,245	1,264,272
Western redcedar	1,249,712	1,347,336	527,099	3,124,147
Total softwoods	11,305,197	9,702,383	12,804,264	33,811,844
Aspen	67,941	8,079	89,143	165,163
Cottonwood	20,374	62,216	384,278	466,868
Total hardwoods	88,315	70,295	473,421	632,031
All species	11,393,512	9,772,678	13,277,685	34,443,875

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Table 24.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1981

Species	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER			
	- - - - - Thousand board feet, Scribner rule - - - - -			
Douglas-fir	2,228,856	1,815,509	4,234,387	8,278,752
Ponderosa pine	889,000	610,818	2,069,484	3,569,302
Western white pine	1,111,201	314,499	526,254	1,951,954
Lodgepole pine	411,860	333,309	916,168	1,661,337
Limber pine	1,450	--	9,769	11,219
Western larch	607,310	784,992	763,601	2,155,903
Grand fir	2,334,929	2,328,359	1,369,377	6,032,665
Subalpine fir	191,089	191,811	95,075	477,975
Engelmann spruce	417,554	279,759	117,124	814,437
Western hemlock	451,668	456,194	180,112	1,087,974
Western redcedar	1,039,069	1,103,403	418,792	2,561,264
Total softwoods	9,683,986	8,218,653	10,700,143	28,602,782
Aspen	56,578	7,139	74,745	138,462
Cottonwood	17,886	55,146	333,509	406,541
Total hardwoods	74,464	62,285	408,254	545,003
All species	9,758,450	8,280,938	11,108,397	29,147,785

Table 25.--Net volume of timber on State and privately owned timberland in Idaho by class of timber, and softwoods and hardwoods, 1981

Class of timber	Softwoods	Hardwoods	All classes
	- - - - - - Thousand cubic feet - - - - -		
Sawtimber trees:			
Saw-log portion	5,642,965	100,668	5,743,633
Upper-stem portion	689,898	28,190	718,088
Total	6,332,863	128,858	6,461,721
Poletimber trees	1,337,605	163,219	1,500,824
All growing stock trees	7,670,468	292,077	7,962,545
Sound cull trees	36,268	17	36,285
Rotten cull trees	53,460	4,796	58,256
Salvable dead trees	336,814	21,401	358,215
All timber	8,097,010	318,291	8,415,301

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Table 26.--Net volume of growing stock on State and privately owned timberland in Idaho by forest type and species, 1981

Forest type	Species								
	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Limber pine	Western larch	Grand fir	Subalpine fir	Engelmann spruce
	Thousand cubic feet								
Douglas-fir	1,486,484	170,323	20,728	46,495	--	104,898	160,158	12,030	7,143
Western hemlock	22,305	1,181	15,018	4,686	--	27,728	24,938	3,034	6,292
Mountain hemlock	--	--	--	--	--	--	--	--	51
Ponderosa pine	158,339	590,993	5,981	34,048	--	25,729	24,724	331	2,526
Western white pine	30,662	1,976	189,716	8,487	176	29,815	87,916	2,068	7,252
Lodgepole pine	73,964	21,364	4,309	517,607	--	40,036	18,162	1,689	5,541
Western larch	44,726	8,844	24,738	9,474	82	215,272	24,550	1,302	4,610
Western redcedar	63,359	3,880	56,456	24,270	--	67,213	197,086	2,410	8,236
Grand fir	217,854	24,906	78,486	23,930	--	69,499	1,022,900	7,875	16,105
Spruce-subalpine fir	34,096	33	3,223	12,019	--	7,844	3,149	122,878	52,021
Spruce	10,542	399	2,112	468	4,122	10,597	7,016	6,945	74,892
Aspen	29,330	3,680	--	5,150	--	--	--	509	57
Cottonwood	2,317	10,859	--	--	--	--	--	--	--
All types	2,173,978	838,438	400,767	686,634	4,380	598,631	1,570,599	161,071	184,726

Table 26.(con.)

Forest Type	Species						
	Western hemlock	Western redcedar	Total softwoods	Aspen	Cottonwood	Total hardwoods	All species
	Thousand cubic feet						
Douglas-fir	8,663	57,655	2,074,577	27,548	4,357	31,905	2,106,482
Western hemlock	159,304	49,587	314,073	1,880	1,506	3,386	317,459
Mountain hemlock	100	--	151	--	--	--	151
Ponderosa pine	1,356	4,201	848,228	5,058	1,050	6,108	854,336
Western white pine	5,167	55,657	418,892	2,048	--	2,048	420,940
Lodgepole pine	2,501	10,745	695,918	5,728	--	5,728	701,646
Western larch	9,782	27,684	371,064	455	5,078	5,533	376,597
Western redcedar	54,553	415,547	893,010	2,556	4,588	7,144	900,154
Grand fir	41,498	128,064	1,631,117	1,971	6,633	8,604	1,639,721
Spruce-subalpine fir	12,656	5,366	253,285	2,146	--	2,146	255,431
Spruce	122	823	118,038	--	--	--	118,038
Aspen	--	213	38,939	129,913	--	129,913	168,852
Cottonwood	--	--	13,176	8,108	81,454	89,562	102,738
All types	295,702	755,542	7,670,468	187,411	104,666	292,077	7,962,545

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Table 27.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by forest type and species, 1981

Forest type	Species								
	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Limber pine	Western larch	Grand fir	Subalpine fir	Engelmann spruce
	Thousand board feet, International ¼-inch rule								
Douglas-fir	6,594,650	902,645	109,573	159,580	--	391,448	682,114	24,956	34,847
Western hemlock	87,391	6,524	79,891	22,625	--	125,771	89,261	16,404	37,232
Mountain hemlock	--	--	--	--	--	--	--	--	--
Ponderosa pine	726,821	2,988,271	32,150	142,268	--	83,745	109,494	460	11,032
Western white pine	166,165	12,038	1,088,674	44,972	1,057	183,475	497,167	10,734	40,660
Lodgepole pine	295,032	97,037	17,088	1,296,181	--	188,850	38,296	5,332	13,700
Western larch	200,566	52,398	139,590	25,350	246	885,055	84,703	5,215	24,888
Western redcedar	303,815	21,700	333,18[illegible]	115,720	--	353,249	884,670	12,606	42,246
Grand fir	1,031,054	124,362	401,536	83,951	--	326,079	4,555,229	29,489	83,787
Spruce-subalpine fir	181,694	--	17,244	49,920	--	44,683	14,491	476,709	235,630
Spruce	54,140	2,735	11,160	2,803	11,665	65,969	32,399	35,507	411,306
Aspen	117,701	22,141	--	27,336	--	--	--	1,641	--
Cottonwood	12,820	67,433	--	--	--	--	--	--	--
All types	9,771,849	4,297,284	2,230,089	1,970,706	12,968	2,648,324	6,987,824	569,053	935,328

Table 27. (con.)

Forest Type	Species						
	Western hemlock	Western redcedar	Total softwoods	Aspen	Cottonwood	Total hardwoods	All species
	Thousand board feet, International ¼-inch rule						
Douglas-fir	12,832	197,254	9,109,899	8,783	10,960	19,743	9,129,642
Western hemlock	680,562	207,896	1,353,557	1,295	6,867	8,162	1,361,719
Mountain hemlock	265	--	265	--	--	--	265
Ponderosa pine	6,074	20,336	4,120,651	--	--	--	4,120,651
Western white pine	22,499	284,851	2,352,292	7,917	--	7,917	2,360,209
Lodgepole pine	9,493	22,143	1,983,152	13,992	--	13,992	1,997,144
Western larch	41,753	67,040	1,526,804	1,616	18,485	20,101	1,546,905
Western redcedar	239,944	1,803,093	4,110,226	5,501	21,642	27,143	4,137,369
Grand fir	190,063	491,774	7,317,324	6,542	32,342	38,884	7,356,208
Spruce-subalpine fir	60,255	24,571	1,055,197	6,692	--	6,692	1,061,889
Spruce	532	4,209	632,425	--	--	--	632,425
Aspen	--	980	169,799	71,282	--	71,282	241,081
Cottonwood	--	--	80,253	41,543	376,572	418,115	498,368
All types	1,264,272	3,124,147	33,811,844	165,163	466,868	632,031	34,443,875

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Table 28.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by forest type and species, 1981

Forest type	Species								
	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Limber pine	Western larch	Grand fir	Subalpine fir	Engelmann spruce
	Thousand board feet, Scribner rule								
Douglas-fir	5,570,298	763,721	95,605	134,195	--	306,703	584,670	21,073	29,969
Western hemlock	74,667	5,627	69,001	19,294	--	101,909	77,375	13,581	32,742
Mountain hemlock	--	--	--	--	--	--	--	--	--
Ponderosa pine	615,866	2,465,097	27,228	120,723	--	64,208	92,012	410	9,632
Western white pine	144,584	10,218	953,799	38,002	941	154,358	437,013	9,126	35,237
Lodgepole pine	248,052	79,563	14,527	1,086,877	--	151,934	33,226	4,557	11,751
Western larch	169,452	44,654	120,316	21,234	219	719,131	72,082	4,351	21,741
Western redcedar	261,525	17,883	295,623	98,433	--	291,341	773,759	10,904	36,762
Grand fir	881,626	101,747	350,807	72,843	--	272,478	3,921,742	23,594	71,569
Spruce-subalpine fir	156,835	--	15,139	43,347	--	35,150	12,687	358,200	204,559
Spruce	45,616	2,435	9,909	2,483	10,059	58,691	28,099	30,802	360,475
Aspen	99,173	19,098	--	23,906	--	--	--	1,377	--
Cottonwood	11,058	59,259	--	--	--	--	--	--	--
All types	8,278,752	3,569,302	1,951,954	1,661,337	11,219	2,155,903	6,032,665	477,975	814,437

Table 28. (con.)

Forest Type	Species						
	Western hemlock	Western redcedar	Total softwoods	Aspen	Cottonwood	Total hardwoods	All species
	Thousand board feet, International ¼-inch rule						
Douglas-fir	10,676	154,008	7,670,918	7,507	9,755	17,262	7,688,180
Western hemlock	588,392	167,638	1,150,226	1,152	6,112	7,264	1,157,490
Mountain hemlock	180	--	180	--	--	--	180
Ponderosa pine	4,763	17,152	3,417,091	--	--	--	3,417,091
Western white pine	19,713	239,024	2,042,015	6,885	--	6,885	2,048,900
Lodgepole pine	7,358	17,898	1,655,743	12,339	--	12,339	1,668,082
Western larch	35,428	53,377	1,261,985	1,425	16,365	17,790	1,279,775
Western redcedar	208,573	1,490,946	3,485,749	4,815	19,098	23,913	3,509,662
Grand fir	162,256	397,595	6,256,257	5,782	28,530	34,312	6,290,569
Spruce-subalpine fir	50,162	19,373	895,452	5,747	--	5,747	901,199
Spruce	473	3,481	552,523	--	--	--	552,523
Aspen	--	772	144,326	57,235	--	57,235	201,561
Cottonwood	--	--	70,317	35,575	326,681	362,256	432,573
All types	1,087,974	2,561,264	28,602,782	138,462	406,541	545,003	29,147,785

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Table 29.--Net annual growth of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - Thousand cubic feet - - - - - - -			
Douglas-fir	15,187	12,997	37,181	65,365
Ponderosa pine	5,600	3,929	18,419	27,948
Western white pine	2,244	651	2,966	4,559
Lodgepole pine	4,376	3,050	10,652	18,078
Limber pine	7	--	50	57
Western larch	4,652	2,714	5,637	13,003
Grand fir	13,982	24,027	14,988	52,997
Subalpine fir	1,878	3,232	2,918	8,028
Engelmann spruce	1,463	1,998	523	3,984
Western hemlock	3,047	4,373	1,838	9,258
Western redcedar	5,783	14,636	5,980	26,399
Total softwoods	58,219	70,305	101,152	229,676
Aspen	3,017	206	7,577	10,800
Cottonwood	180	396	2,212	2,788
Total hardwoods	3,197	602	9,789	13,588
All species	61,416	70,907	110,941	243,264

Table 30.--Net annual growth of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Douglas-fir	79,266	63,832	170,380	313,478
Ponderosa pine	28,765	20,988	94,924	144,677
Western white pine	11,901	2,880	21,693	36,474
Lodgepole pine	15,541	8,579	38,047	62,167
Limber pine	264	--	66	330
Western larch	12,486	16,129	15,762	44,377
Grand fir	75,879	94,661	52,897	223,437
Subalpine fir	6,818	5,190	928	12,936
Engelmann spruce	7,423	7,222	2,384	17,029
Western hemlock	14,031	15,194	6,382	35,607
Western redcedar	27,704	26,347	13,716	67,767
Total softwoods	280,078	261,022	417,179	958,279
Aspen	7,719	319	4,935	12,973
Cottonwood	465	1,748	7,850	10,063
Total hardwoods	8,184	2,067	12,785	23,036
All species	288,262	263,089	429,964	981,315

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Table 31.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER			
	Thousand board feet, Scribner rule			
Douglas-fir	70,718	57,478	153,837	282,033
Ponderosa pine	24,354	18,312	82,322	124,988
Western white pine	11,128	2,747	19,839	33,714
Lodgepole pine	14,145	8,108	34,641	56,894
Limber pine	235	--	60	295
Western larch	11,257	14,840	14,489	40,586
Grand fir	66,880	85,021	48,436	200,337
Subalpine fir	6,201	4,751	1,095	12,047
Engelmann spruce	6,656	6,488	2,146	15,290
Western hemlock	12,565	14,041	6,002	32,608
Western redcedar	23,889	22,551	11,853	58,293
Total softwoods	248,028	234,337	374,720	857,085
Aspen	5,949	298	4,044	10,291
Cottonwood	428	1,629	7,327	9,384
Total hardwoods	6,377	1,927	11,371	19,675
All species	254,405	236,264	386,091	876,760

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Table 32.--Net annual growth of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand cubic feet													
Douglas-fir	10,633	7,566	10,148	9,663	8,984	6,913	4,660	3,224	1,649	805	656	265	199	65,365
Ponderosa pine	3,805	2,574	2,756	3,863	3,528	2,731	2,210	2,260	1,557	734	719	317	894	27,948
Western white pine	-59	-586	1,314	802	744	541	785	398	346	107	74	-314	407	4,559
Lodgepole pine	4,915	5,266	3,745	3,329	410	459	-188	108	30	2	--	--	2	18,078
Limber pine	--	34	14	--	6	--	--	3	--	--	--	--	--	57
Western larch	4,230	2,169	1,788	1,738	1,588	640	568	348	228	-490	100	-4	100	13,003
Grand fir	13,168	6,163	7,357	6,265	6,617	4,341	2,845	1,910	1,078	564	797	450	1,442	52,997
Subalpine fir	5,262	860	357	402	491	355	77	116	24	8	65	5	6	8,028
Engelmann spruce	572	521	518	493	417	306	179	202	208	142	130	101	195	3,984
Western hemlock	1,977	1,497	1,307	1,183	1,058	639	579	380	246	119	101	83	89	9,258
Western redcedar	13,167	2,045	2,796	1,602	1,758	1,514	813	618	408	102	179	240	1,157	26,399
Total softwoods	57,670	28,109	32,100	29,340	25,601	18,439	12,528	9,567	5,774	2,093	2,821	1,143	4,491	229,676
Aspen	7,800	1,432	765	359	148	150	68	30	42	3	--	3	--	10,800
Cottonwood	265	69	235	627	402	-127	435	-16	229	246	79	51	293	2,788
Total hardwoods	8,065	1,501	1,000	986	550	23	503	14	271	249	79	54	293	13,588
All species	65,735	29,610	33,100	30,326	26,151	18,462	13,031	9,581	6,045	2,342	2,900	1,197	4,784	243,264

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Table 33.--Net annual growth of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)											
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	All classes
	Thousand board feet, International ¼-inch rule											
Douglas-fir	87,512	59,497	55,052	41,721	28,129	19,279	9,930	5,119	4,144	1,681	1,414	313,478
Ponderosa pine	19,510	26,088	23,751	18,785	14,412	14,435	9,837	4,575	4,491	2,315	6,478	144,677
Western white pine	12,895	5,268	4,545	3,131	4,250	2,393	2,204	667	455	-1,830	2,496	36,474
Lodgepole pine	38,384	19,348	2,227	2,463	-1,037	588	173	11	--	--	10	62,167
Limber pine	279	--	35	--	--	16	--	--	--	--	--	330
Western larch	14,541	10,707	9,668	3,914	3,451	2,362	1,486	-3,004	634	-38	656	44,377
Grand fir	77,100	38,802	37,513	23,113	13,645	9,836	5,574	2,972	4,213	2,678	7,991	223,437
Subalpine fir	4,057	2,382	2,737	1,956	442	681	163	50	403	28	37	12,936
Engelmann spruce	2,763	2,738	2,323	1,677	984	1,171	1,386	1,021	921	706	1,339	17,029
Western hemlock	8,670	7,488	6,191	3,749	3,367	2,218	1,515	730	626	511	542	35,607
Western redcedar	24,552	8,745	9,102	7,457	4,067	2,988	1,989	594	972	1,295	6,006	67,767
Total softwoods	290,263	181,063	153,144	107,966	71,710	55,967	34,257	12,735	16,859	7,346	26,969	958,279
Aspen	XXXXX	10,724	801	743	338	133	196	22	--	16	--	12,973
Cottonwood	XXXXX	3,206	1,936	-823	1,838	-180	984	1,086	362	242	1,412	10,063
Total hardwoods	XXXXX	13,930	2,737	-80	2,176	-47	1,180	1,108	362	258	1,412	23,036
All species	290,263	194,993	155,881	107,886	73,886	55,920	35,437	13,843	17,221	7,604	28,381	981,315

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Table 34.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand board feet, Scribner rule											
Douglas-fir	77,814	53,825	50,001	37,713	25,466	17,377	8,838	4,557	3,688	1,496	1,258	282,033
Ponderosa pine	13,688	22,897	20,992	16,785	12,713	12,681	8,756	4,356	4,190	2,072	5,858	124,988
Western white pine	11,594	5,123	4,402	2,911	3,916	2,150	2,020	600	405	-1,629	2,222	33,714
Lodgepole pine	34,672	17,799	2,300	2,312	-884	523	154	10	--	--	8	56,894
Limber pine	248	--	32	--	--	15	--	--	--	--	--	295
Western larch	12,688	9,823	9,001	3,853	3,202	2,189	1,374	-2,658	564	-34	584	40,586
Grand fir	65,936	36,047	34,563	21,362	12,657	8,916	4,964	2,647	3,750	2,384	7,111	200,337
Subalpine fir	3,770	2,350	2,507	1,788	404	621	146	44	358	26	33	12,047
Engelmann spruce	2,478	2,471	2,093	1,520	893	1,053	1,234	909	820	628	1,191	15,290
Western hemlock	7,727	6,949	5,927	3,467	2,997	1,973	1,409	665	557	455	482	32,608
Western redcedar	21,757	7,264	7,241	5,898	3,354	2,747	1,919	630	886	1,179	5,418	58,293
Total softwoods	252,372	164,548	139,059	97,609	64,718	50,245	30,814	11,760	15,218	6,577	24,165	857,085
Aspen	XXXXX	8,215	745	691	313	119	174	20	--	14	--	10,291
Cottonwood	XXXXX	2,947	1,785	-603	1,710	-107	887	970	322	216	1,257	9,384
Total hardwoods	XXXXX	11,162	2,530	88	2,023	12	1,061	990	322	230	1,257	19,675
All species	252,372	175,710	141,589	97,697	66,741	50,257	31,875	12,750	15,540	6,807	25,422	876,760

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Table 35.--Annual mortality of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	GROWING STOCK - - - - - - Thousand cubic feet - - - - - -			
Douglas-fir	613	1,490	3,089	5,192
Ponderosa pine	219	1,336	1,485	3,040
Western white pine	2,072	1,796	1,014	4,882
Lodgepole pine	366	561	851	1,778
Limber pine	--	--	--	--
Western larch	234	961	1,312	2,507
Grand fir	489	2,592	2,994	6,075
Subalpine fir	138	--	481	619
Engelmann spruce	147	--	--	147
Western hemlock	32	214	277	523
Western redcedar	24	632	153	809
Total softwoods	4,334	9,582	11,656	25,572
Aspen	89	1	1,468	1,558
Cottonwood	14	--	713	727
Total hardwoods	103	1	2,181	2,285
All species	4,437	9,583	13,837	27,857

Table 36.--Annual mortality of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Douglas-fir	3,335	4,931	13,013	21,279
Ponderosa pine	1,128	6,993	7,019	15,140
Western white pine	12,241	2,714	3,366	18,321
Lodgepole pine	1,020	3,227	2,653	6,900
Limber pine	--	--	--	--
Western larch	1,208	4,008	3,536	8,752
Grand fir	2,696	10,689	11,445	24,830
Subalpine fir	626	--	2,035	2,661
Engelmann spruce	886	--	--	886
Western hemlock	156	966	1,326	2,448
Western redcedar	138	2,168	770	3,076
Total softwoods	23,434	35,696	45,163	104,293
Aspen	101	--	--	101
Cottonwood	65	--	3,468	3,534
Total hardwoods	167	--	3,468	3,635
All species	23,601	35,696	48,631	107,928

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Table 37.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER			
	- - - Thousand board feet, Scribner rule - - -			
Douglas-fir	2,893	4,198	10,876	17,967
Ponderosa pine	943	5,719	5,685	12,347
Western white pine	10,688	2,378	2,879	15,945
Lodgepole pine	861	2,685	2,323	5,869
Limber pine	--	--	--	--
Western larch	1,019	3,475	3,143	7,637
Grand fir	2,341	9,153	9,749	21,243
Subalpine fir	524	--	1,715	2,239
Engelmann spruce	777	--	--	777
Western hemlock	125	742	1,050	1,917
Western redcedar	110	1,811	594	2,515
Total softwoods	20,281	30,161	38,014	88,456
Aspen	88	--	--	88
Cottonwood	57	--	2,997	3,054
Total hardwoods	145	--	2,997	3,142
All species	20,426	30,161	41,011	91,598

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Table 38.--Annual mortality of growing stock on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand cubic feet													
Douglas-fir	400	640	788	516	1,042	376	532	56	44	371	36	59	332	5,192
Ponderosa pine	139	73	154	604	405	1,037	288	--	--	326	--	--	14	3,040
Western white pine	725	1,076	34	549	821	150	249	343	--	161	181	418	175	4,882
Lodgepole pine	174	393	347	--	577	--	287	--	--	--	--	--	--	1,778
Limber pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Western larch	414	383	569	34	10	453	--	--	--	590	--	54	--	2,507
Grand fir	311	759	909	1,145	538	824	932	273	35	323	--	--	26	6,075
Subalpine fir	--	--	281	338	--	--	--	--	--	--	--	--	--	619
Engelmann spruce	--	--	--	--	--	49	66	--	--	32	--	--	--	147
Western hemlock	--	--	309	214	--	--	--	--	--	--	--	--	--	523
Western redcedar	--	171	--	157	--	--	--	20	237	224	--	--	--	809
Total softwoods	2,163	3,495	3,391	3,557	3,393	2,889	2,354	692	316	2,027	217	531	547	25,572
Aspen	509	896	135	18	--	--	--	--	--	--	--	--	--	1,558
Cottonwood	--	--	--	--	--	540	--	187	--	--	--	--	--	727
Total hardwoods	509	896	135	18	--	540	--	187	--	--	--	--	--	2,285
All species	2,672	4,391	3,526	3,575	3,393	3,429	2,354	879	316	2,027	217	531	547	27,857

Table 39.--Annual mortality of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand board feet, International ¼-inch rule											
Douglas-fir	2,837	2,629	5,534	2,050	2,961	339	269	2,148	230	371	1,911	21,279
Ponderosa pine	461	2,666	2,305	5,921	1,723	--	--	1,970	--	--	94	15,140
Western white pine	144	3,054	4,756	899	1,528	2,154	--	1,024	1,150	2,496	1,116	18,321
Lodgepole pine	2,005	--	3,318	--	1,577	--	--	--	--	--	--	6,900
Limber pine	--	--	--	--	--	--	--	--	--	--	--	--
Western larch	1,686	207	58	2,738	--	--	--	3,697	--	366	--	8,752
Grand fir	3,359	6,076	2,893	4,373	4,828	1,351	228	1,552	--	--	170	24,830
Subalpine fir	862	1,799	--	--	--	--	--	--	--	--	--	2,661
Engelmann spruce	--	--	--	288	389	--	--	209	--	--	--	886
Western hemlock	1,482	966	--	--	--	--	--	--	--	--	--	2,448
Western redcedar	--	790	--	--	--	118	1,117	1,051	--	--	--	3,076
Total softwoods	12,836	18,187	18,864	16,269	13,006	3,962	1,614	11,651	1,380	3,233	3,291	104,293
Aspen	--	101	--	--	--	--	--	--	--	--	--	101
Cottonwood	--	--	--	2,661	--	873	--	--	--	--	--	3,534
Total hardwoods	--	101	--	2,661		873	--	--	--	--	--	3,635
All species	12,836	18,288	18,864	18,930	13,006	4,835	1,614	11,651	1,380	3,233	3,291	107,928

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Table 40.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by species and diameter class, 1980

Species	Diameter class (inches at breast height)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+	
	Thousand board feet, Scribner rule											
Douglas-fir	2,227	2,130	4,623	1,746	2,554	299	240	1,912	205	330	1,701	17,967
Ponderosa pine	279	1,961	1,916	4,938	1,468	--	--	1,701	--	--	84	12,347
Western white pine	114	2,500	4,128	782	1,356	1,917	--	911	1,023	2,221	993	15,945
Lodgepole pine	1,623	--	2,849	--	1,397	--	--	--	--	--	--	5,869
Limber pine	--	--	--	--	--	--	--	--	--	--	--	--
Western larch	1,501	154	44	2,327	--	--	--	3,285	--	326	--	7,637
Grand fir	2,816	5,015	2,446	3,808	4,240	1,183	202	1,381	--	--	152	21,243
Subalpine fir	760	1,479	--	--	--	--	--	--	--	--	--	2,239
Engelmann spruce	--	--	--	250	341	--	--	186	--	--	--	777
Western hemlock	1,176	741	--	--	--	--	--	--	--	--	--	1,917
Western redcedar	--	610	--	--	--	94	933	878				2,515
Total softwoods	10,496	14,590	16,006	13,851	11,356	3,493	1,375	10,254	1,228	2,877	2,930	88,456
Aspen	XXXXX	88	--	--	--	--	--	--	--	--	--	88
Cottonwood	XXXXX	--	--	2,293	--	761	--	--	--	--	--	3,054
Total hardwoods	XXXXX	88	--	2,293	--	761	--	--	--	--	--	3,142
All species	10,496	14,678	16,006	16,144	11,356	4,254	1,375	10,254	1,228	2,877	2,930	91,598

Table 41.--Annual mortality of growing stock on State and privately owned timberland in Idaho by cause of death and species, 1980

Species	Cause of Death								Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	
	GROWING STOCK Thousand cubic feet								
Douglas-fir	341	1,714	40	--	2,017	--	--	1,080	5,192
Ponderosa pine	1,796	642	--	--	193	53	22	334	3,040
Western white pine	821	4,014	--	--	--	--	47	--	4,882
Lodgepole pine	544	839	--	--	--	393	--	2	1,778
Limber pine	--	--	--	--	--	--	--	--	--
Western larch	1,160	643	--	--	278	--	15	411	2,507
Grand fir	2,342	3,243	--	--	198	--	76	216	6,075
Subalpine fir	14	17	--	--	--	--	--	588	619
Engelmann spruce	--	--	--	--	118	--	--	29	147
Western hemlock	--	--	--	--	23	--	214	286	523
Western redcedar	--	157	--	--	482	--	170	--	809
Total softwoods	7,018	11,269	40	--	3,309	446	544	2,946	25,572
Aspen	--	1,183	--	--	--	--	18	357	1,558
Cottonwood	--	--	--	--	--	--	--	727	727
Total hardwoods	--	1,183	--	--	--	--	18	1,084	2,285
All species	7,018	12,452	40	--	3,309	446	562	4,030	27,857

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Table 42.--Annual mortality of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by cause of death and species, 1980

Species	Cause of Death								Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	
	SAWTIMBER Thousand board feet, International ¼-inch rule								
Douglas-fir	1,824	5,606	248	--	11,172	--	--	2,429	21,279
Ponderosa pine	9,208	3,670	--	--	914	--	103	1,245	15,140
Western white pine	3,951	14,370	--	--	--	--	--	--	18,321
Lodgepole pine	2,065	4,835	--	--	--	--	--	--	6,900
Limber pine	--	--	--	--	--	--	--	--	--
Western larch	5,055	917	--	--	366	--	--	2,414	8,752
Grand fir	9,654	13,799	--	--	274	--	--	1,103	24,830
Subalpine fir	77	96	--	--	--	--	--	2,488	2,661
Engelmann spruce	--	--	--	--	714	--	--	172	886
Western hemlock	--	--	--	--	113	--	966	1,369	2,448
Western redcedar	--	790	--	--	2,286	--	--	--	3,076
Total softwoods	31,834	44,083	248	--	15,839	--	1,069	11,220	104,293
Aspen	--	--	--	--	--	--	101	--	101
Cottonwood	--	--	--	--	--	--	--	3,534	3,534
Total hardwoods	--	--	--	--	--	--	101	3,534	3,635
All species	31,834	44,083	248	--	15,839	--	1,170	14,754	107,928

Table 43.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by cause of death and species, 1980

Species	Cause of Death								Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Logging	Unknown	
	SAWTIMBER Thousand board feet, Scribner rule								
Douglas-fir	1,515	4,744	221	--	9,617	--	--	1,870	17,967
Ponderosa pine	7,655	3,062	--	--	698	--	79	853	12,347
Western white	3,474	12,471	--	--	--	--	--	--	15,945
Lodgepole pine	1,824	4,045	--	--	--	--	--	--	5,869
Limber pine	--	--	--	--	--	--	--	--	--
Western larch	4,473	787	--	--	326	--	--	2,051	7,637
Grand fir	8,276	11,823	--	--	244	--	--	900	21,243
Subalpine fir	61	80	--	--	--	--	--	2,098	2,239
Engelmann spruce	--	--	--	--	627	--	--	150	777
Western hemlock	--	--	--	--	90	--	742	1,085	1,917
Western redcedar	--	610	--	--	1,905	--	--	--	2,515
Total softwoods	27,278	37,622	221	--	13,507	--	821	9,007	88,456
Aspen	--	--	--	--	--	--	88	--	88
Cottonwood	--	--	--	--	--	--	--	3,054	3,054
Total hardwoods	--	--	--	--	--	--	88	3,054	3,142
All species	27,278	37,622	221	--	13,507	--	909	12,061	91,598

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Table 44.--Annual removals[1] of growing stock on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - - Thousands cubic feet - - - - - - - -			
Douglas-fir	6,363	26,555	16,677	49,595
Engelmann spruce	880	3,670	2,305	6,855
Lodgepole pine	2,442	10,193	6,401	19,036
Ponderosa pine	3,366	14,048	8,822	26,236
True firs[2]	7,362	30,722	19,293	57,377
Western larch	1,730	7,220	4,534	13,484
Western hemlock	450	1,880	1,181	3,511
Western redcedar	3,830	15,982	10,036	29,848
Western white pine	2,639	11,015	6,918	20,572
Other species	90	374	236	700
Total	29,152	121,659	76,403	227,214

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

[2]Includes grand and subalpine fir.

Table 45.--Annual removals[1] of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - Thousand board feet - International ¼-inch rule -			
Douglas-fir	36,545	152,572	96,261	285,378
Engelmann spruce	5,051	21,089	13,306	39,446
Lodgepole pine	14,027	58,562	36,948	109,537
Ponderosa pine	19,333	80,712	50,922	150,967
True firs[2]	42,279	176,512	111,363	330,154
Western larch	9,936	41,482	26,171	77,589
Western hemlock	2,587	10,801	6,814	20,202
Western redcedar	21,995	91,825	57,933	171,753
Western white pine	15,159	63,285	39,927	118,371
Other species	516	2,153	1,358	4,027
Total	167,428	698,993	441,003	1,307,424

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

[2]Includes grand and subalpine fir.

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Table 46.--Annual removals[1] of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - - - - Thousand board feet - Scribner rule - - - -			
Douglas-fir	30,338	126,714	79,548	236,600
Engelmann spruce	4,193	17,515	10,995	32,703
Lodgepole pine	11,645	48,637	30,533	90,815
Ponderosa pine	16,049	67,033	42,082	125,164
True firs[2]	35,098	146,595	92,030	273,723
Western larch	8,248	34,452	21,628	64,328
Western hemlock	2,148	8,970	5,632	16,750
Western redcedar	18,259	76,263	47,877	142,399
Western white pine	12,584	52,559	32,996	98,139
Other species	428	1,788	1,122	3,338
Total	138,990	580,526	364,443	1,083,959

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, houselogs, posts and poles, logging residues, and other removals.

[2]Includes grand and subalpine fir.

Table 47.--Annual removals of growing stock on State and privately owned timberland in Idaho by source and ownership class, 1980

Source	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - Thousand cubic feet - - - - - - -			
Roundwood products:				
Sawlogs	15,527	55,091	53,521	124,139
Veneer logs	5,420	27,280	1,221	33,921
Total	20,947	82,371	54,742	158,060
Other roundwood products:				
Pulpwood	3,209	22,825	11,194	37,228
Cedar products	732	2,244	1,126	4,102
Utility poles	771	80	392	1,243
Houselogs	79	51	59	189
Posts and poles	69	131	125	325
Total	4,860	25,331	12,896	43,087
Total roundwood products	25,807	107,702	67,638	201,147
Logging residues	3,048	12,720	7,988	23,756
Other removals	297	1,237	777	2,311
Total removals	29,152	121,659	76,403	227,214

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Table 48.--Annual removals of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by source and ownership class, 1980

Source	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER Thousand board feet International ¼-inch rule			
Roundwood products:				
Sawlogs	96,848	343,625	333,832	774,305
Veneer logs	33,807	170,157	7,616	211,580
Total	130,655	513,782	341,448	985,885
Other roundwood products:				
Pulpwood	17,712	125,982	61,785	205,479
Cedar products	3,403	10,433	5,235	19,071
Utility poles	3,585	372	1,822	5,779
Houselogs	367	237	274	878
Posts and poles	285	540	516	1,341
Total	25,352	137,564	69,632	232,548
Total roundwood products	156,007	651,346	411,080	1,218,433
Logging residues	9,571	39,944	25,084	74,599
Other removals	1,850	7,703	4,839	14,392
Total removals	167,428	698,993	441,003	1,307,424

Table 49.--Annual removals of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by source and ownership class, 1980

Source	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER Thousand board feet Scribner rule			
Roundwood products:				
Sawlogs	77,638	275,456	267,605	620,699
Veneer logs	27,099	136,398	6,103	169,600
Total	104,737	411,854	273,708	790,299
Other roundwood products:				
Pulpwood	16,043	114,126	55,972	186,141
Cedar products	3,660	11,222	5,628	20,510
Utility poles	3,855	400	1,958	6,213
Houselogs	393	256	296	945
Posts and poles	138	262	250	650
Total	24,089	126,266	64,104	214,459
Total roundwood products	128,826	538,120	337,812	1,004,758
Logging residues	8,518	35,550	22,325	66,393
Other removals	1,646	6,856	4,306	12,808
Total removals	138,990	580,526	364,443	1,083,959

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Table 50.--Area of State and privately owned woodland in Idaho by ownership class, and forest type, 1981

Forest type	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - - - - - - Acres - - - - - - - - - - - -			
Pinyon-juniper woodland	4,865	--	38,570	43,435
Juniper woodland	27,531	211	62,159	89,901
Western juniper	14,195	--	28,545	42,740
Total woodland softwoods	46,591	211	129,274	176,076
Oak woodland	13	--	--	13
Mountain brush woodland	5,263	423	19,059	24,745
Ripiarian woodland	400	795	56,729	57,924
Other west hardwoods	5,559	8,751	43,310	57,620
Total woodland hardwoods	11,235	9,969	119,098	140,302
All types	57,826	10,180	248,372	316,378

Table 51.--Net volume of State and privately owned woodland in Idaho by ownership class and species, 1981

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	WOODLAND - - - - - - - Thousand cubic feet - - - - - - -			
Douglas-fir	664	--	2,634	3,298
Western redcedar	3	--	348	351
Aspen	103	--	--	103
Cottonwood	5	--	530	535
Pinyon/juniper	31,225	29	71,038	102,292
Woodland hardwoods	2,700	522	23,952	27,174
Total all species	34,700	551	98,502	133,753

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Table 52.--Net annual growth of State and privately owned woodland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	WOODLAND - - - - - - - Thousand cubic feet - - - - - - -			
Douglas-fir	21	--	82	103
Western redcedar	([1])	--	18	18
Aspen	4	--	--	4
Cottonwood	([1])	--	19	19
Pinyon/juniper	649	2	1,198	1,849
Woodland hardwoods	36	28	987	1,051
Total all species	710	30	2,304	3,044

[1]Less than 500 cubic feet.

Table 53.--Annual mortality of State and privately owned woodland in Idaho by ownership class and species, 1980

Species	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	WOODLAND - - - - - - - Thousand cubic feet - - - - - - -			
Douglas-fir	--	--	--	--
Western redcedar	--	--	--	--
Aspen	--	--	--	--
Cottonwood	--	--	--	--
Pinyon/juniper	77	--	--	77
Woodland hardwoods	([1])	1	26	27
Total all species	77	1	26	104

[1]Less than 500 cubic feet.

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MARKETING ZONE TABLES

Table 54.--Area of State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

Marketing zone	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	- - - - - - - - - - - - - Acres - - - - - - - - - - - - -			
Northern Idaho:				
Panhandle	357,891	417,423	857,767	1,633,081
Northern	356,927	575,790	597,089	1,529,806
Total	714,818	993,213	1,454,856	3,162,887
Southern Idaho:				
Southwestern	193,258	184,673	232,473	610,404
Southeastern	121,904	261	352,658	474,823
Total	315,162	184,934	585,131	1,085,227
Total Idaho	1,029,980	1,178,147	2,039,987	4,248,114

Table 55.--Net volume of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

Marketing zone	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - - - Thousand cubic feet - - - - - - - - -			
Northern Idaho:				
Panhandle	846,593	853,098	1,537,274	3,236,965
Northern	983,208	1,158,350	1,021,449	3,163,007
Total	1,829,801	2,011,448	2,558,723	6,399,972
Southern Idaho:				
Southwestern	347,644	272,655	339,246	959,545
Southeastern	219,284	374	383,370	603,028
Total	566,928	273,029	722,616	1,562,573
Total Idaho	2,396,729	2,284,477	3,281,339	7,962,545

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Table 56.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Northern Idaho:				
Panhandle	3,939,981	3,560,827	6,061,026	13,561,834
Northern	5,041,650	5,041,146	4,411,545	14,494,341
Total	8,981,631	8,601,973	10,472,571	28,056,175
Southern Idaho:				
Southwestern	1,682,927	1,169,389	1,511,060	4,363,376
Southeastern	728,954	1,316	1,294,054	2,024,324
Total	2,411,881	1,170,705	2,805,114	6,387,700
Total Idaho	11,393,512	9,772,678	13,277,685	34,443,875

Table 57.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1981

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - - - - - - - - - - Scribner rule - - - - - - - - - -			
Northern Idaho:				
Panhandle	3,364,795	3,007,604	5,041,234	11,413,633
Northern	4,349,653	4,291,916	3,707,799	12,349,368
Total	7,714,448	7,299,520	8,749,033	23,763,001
Southern Idaho:				
Southwestern	1,430,518	980,322	1,271,831	3,682,671
Southeastern	613,484	1,096	1,087,533	1,702,113
Total	2,044,002	981,418	2,359,364	5,384,784
Total Idaho	9,758,450	8,280,938	11,108,397	29,147,785

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Table 58.--Net annual growth of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	GROWING STOCK - - - - - - - - Thousand cubic feet - - - - - - - -			
Northern Idaho:				
Panhandle	23,962	29,078	55,672	108,712
Northern	20,301	32,737	32,128	85,166
Total	44,263	61,815	87,800	193,878
Southern Idaho:				
Southwestern	10,262	9,079	8,747	28,088
Southeastern	6,891	13	14,394	21,298
Total	17,153	9,092	23,141	49,386
Total Idaho	61,416	70,907	110,941	243,264

Table 59.--Net annual growth of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Northern Idaho:				
Panhandle	107,440	96,987	211,241	415,668
Northern	98,477	118,321	127,107	343,905
Total	205,917	215,308	338,348	759,573
Southern Idaho:				
Southwestern	52,145	47,725	42,505	142,375
Southeastern	30,200	56	49,111	79,367
Total	82,345	47,781	91,616	221,742
Total Idaho	288,262	263,089	429,964	981,315

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Table 60.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - - - - - - - - - - Scribner rule - - - - - - - - - -			
Northern Idaho:				
Panhandle	95,927	87,575	190,572	374,074
Northern	86,859	106,416	114,269	307,544
Total	182,786	193,991	304,841	681,618
Southern Idaho:				
Southwestern	45,659	42,224	37,838	125,721
Southeastern	25,960	49	43,412	69,421
Total	71,619	42,273	81,250	195,142
Total Idaho	254,405	236,264	386,091	876,760

Table 61.--Annual mortality of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	GROWING STOCK - - - - - - - Thousand cubic feet - - - - - - -			
Northern Idaho:				
Panhandle	1,050	3,323	5,827	10,200
Northern	2,908	5,159	4,307	12,374
Total	3,958	8,482	10,134	22,574
Southern Idaho				
Southwestern	368	1,098	1,198	2,664
Southeastern	111	3	2,505	2,619
Total	479	1,101	3,703	5,283
Total Idaho	4,437	9,583	13,837	27,857

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Table 62.--Annual mortality of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Northern Idaho:				
Panhandle	4,553	11,852	21,638	38,043
Northern	16,838	18,217	16,738	51,793
Total	21,391	30,069	38,376	89,836
Southern Idaho				
Southwestern	1,988	5,618	4,380	11,986
Southeastern	222	9	5,875	6,106
Total	2,210	5,627	10,255	18,092
Total Idaho	23,601	35,696	48,631	107,928

Table 63.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - - - - - - - - Scribner rule - - - - - - - -			
Northern Idaho:				
Panhandle	3,909	9,940	18,089	31,938
Northern	14,635	15,471	14,216	44,322
Total	18,544	25,411	32,305	76,260
Southern Idaho:				
Southwestern	1,696	4,742	3,759	10,197
Southeastern	186	8	4,947	5,141
Total	1,882	4,750	8,706	15,338
Total Idaho	20,426	30,161	41,011	91,598

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Table 64.--Annual removals of growing stock on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	GROWING STOCK - - - - - - - - Thousand cubic feet - - - - - - - -			
Northern Idaho:				
Panhandle	4,932	21,816	42,574	69,322
Northern	21,361	80,072	28,813	130,246
Total	26,293	101,888	71,387	199,568
Southern Idaho:				
Southwestern	2,388	19,742	4,860	26,990
Southeastern	471	29	156	656
Total	2,859	19,771	5,016	27,646
Total Idaho	29,152	121,659	76,403	227,214

Table 65.--Annual removals of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			
	State	Forest industry	Nonindustrial private	Total
	SAWTIMBER - Thousand board feet, International ¼-inch rule -			
Northern Idaho:				
Panhandle	28,417	124,573	244,842	397,832
Northern	122,252	458,830	166,884	747,966
Total	150,669	583,403	411,726	1,145,798
Southern Idaho:				
Southwestern	13,973	115,417	28,359	157,749
Southeastern	2,786	173	918	3,877
Total	16,759	115,590	29,277	161,626
Total Idaho	167,428	698,993	441,003	1,307,424

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Table 66.--Annual removals of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by marketing zone and ownership class, 1980

Marketing zone	Ownership class			Total
	State	Forest industry	Nonindustrial private	
	SAWTIMBER - - - - - - - - - - Scribner rule - - - - - - - - - -			
Northern Idaho:				
Panhandle	23,352	103,810	202,959	330,121
Northern	102,012	382,339	137,543	621,894
Total	125,364	486,149	340,502	952,015
Southern Idaho:				
Southwestern	11,375	94,237	23,202	128,814
Southeastern	2,251	140	739	3,130
Total	13,626	94,377	23,941	131,944
Total Idaho	138,990	580,526	364,443	1,083,959

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COUNTY TABLES

Table 67.--Area of State and privately owned timberland in Idaho by county and ownership class, 1981

County	State	Private	Total
	- - - - - - - - - Acres - - - - - - - - -		
Northern Idaho:			
Benewah	47,545	274,176	321,721
Bonner	152,261	322,825	475,086
Boundary	85,163	144,542	229,705
Clearwater	222,734	420,181	642,915
Idaho	61,123	243,949	305,072
Kootenai	31,723	310,571	342,294
Latah	41,199	223,076	264,275
Lewis	1,461	75,266	76,727
Nez Perce	6,959	102,557	109,516
Shoshone	64,650	330,926	395,576
Total	714,818	2,448,069	3,162,887
Southern Idaho:			
Ada	165	3,389	3,554
Adams	28,078	93,860	121,938
Bannock	19,752	31,298	51,050
Bear Lake	1,539	11,653	13,192
Bingham	8,714	42,321	51,035
Blaine	2,930	15,044	17,974
Boise	65,567	98,277	163,844
Bonneville	8,001	35,454	43,455
Butte	300	2,265	2,565
Camas	2,198	7,302	9,500
Canyon	3	2,634	2,637
Caribou	26,220	52,496	78,716
Cassia	708	4,203	4,911
Clark	5,737	8,785	14,522
Custer	4,074	8,725	12,799
Elmore	13,892	26,800	40,692
Franklin	3,700	17,730	21,430
Fremont	16,321	33,223	49,544
Gem	569	3,418	3,987
Gooding	6	646	652
Jefferson	23	1,599	1,622
Jerome	1	608	609
Lemhi	4,189	25,263	29,452
Lincoln	1	352	353
Madison	10,900	10,384	21,284
Minidoka	--	489	489
Oneida	810	2,883	3,693
Owyhee	3,252	31,275	34,527
Payette	1	932	933
Power	4,935	16,251	21,186
Teton	844	21,441	22,285
Twin Falls	1	2,504	2,505
Valley	69,805	145,052	214,857
Washington	11,926	11,509	23,435
Total	315,162	770,065	1,085,227
Total Idaho	1,029,980	3,218,134	4,248,114

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Table 68.--Area of State and privately owned woodland in Idaho by county and ownership class, 1981

County	State	Private	Total
	- - - - - - - - Acres - - - - - - - -		
Northern Idaho:			
Benewah	19	1,703	1,722
Bonner	143	19,847	19,990
Boundary	24	9,106	9,130
Clearwater	20	1,240	1,260
Idaho	--	3,089	3,089
Kootenai	--	2,318	2,318
Latah	61	1,331	1,392
Lewis	--	509	509
Nez Perce	--	1,218	1,218
Shoshone	--	1,236	1,236
Total	267	41,597	41,864
Southern Idaho:			
Ada	250	1,405	1,655
Adams	150	3,355	3,505
Bannock	2,659	23,408	26,067
Bear Lake	109	5,364	5,473
Bingham	1,041	11,946	12,987
Blaine	92	1,874	1,966
Boise	740	4,458	5,198
Bonneville	940	6,127	7,067
Butte	10	137	147
Camas	32	90	122
Canyon	--	251	251
Caribou	2,903	9,305	12,208
Cassia	6,176	16,354	22,530
Clark	143	1,110	1,253
Custer	102	788	890
Elmore	815	6,279	7,094
Franklin	700	10,049	10,749
Fremont	186	1,422	1,608
Gem	1	3,136	3,137
Gooding	--	--	--
Jefferson	--	479	479
Jerome	--	--	--
Lemhi	12	2,254	2,266
Lincoln	--	--	--
Madison	834	2,435	3,269
Minidoka	--	--	--
Oneida	260	6,870	7,130
Owyhee	38,162	66,328	104,490
Payette	--	121	121
Power	797	17,974	18,771
Teton	37	3,303	3,340
Twin Falls	--	1,103	1,103
Valley	406	1,068	1,474
Washington	2	8,162	8,164
Total	57,559	216,955	274,514
Total Idaho	57,826	258,552	316,378

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Table 69.--Net volume of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1981

County	State	Private	Total
	- - - - - - Thousand cubic feet - - - - - -		
Northern Idaho:			
Benewah	144,924	559,449	704,373
Bonner	352,852	584,727	937,579
Boundary	167,640	248,719	416,359
Clearwater	617,072	780,890	1,397,962
Idaho	148,993	433,591	582,584
Kootenai	80,516	593,589	674,105
Latah	100,661	403,888	504,549
Lewis	2,889	110,479	113,368
Nez Perce	13,736	147,488	161,224
Shoshone	200,518	707,351	907,869
Total	1,829,801	4,570,171	6,399,972
Southern Idaho:			
Ada	238	4,653	4,891
Adams	60,307	137,184	197,491
Bannock	39,411	31,970	71,381
Bear Lake	2,509	10,975	13,484
Bingham	14,192	39,737	53,929
Blaine	6,304	22,679	28,983
Boise	96,181	150,759	246,940
Bonneville	12,459	34,179	46,638
Butte	454	3,250	3,704
Camas	5,910	8,524	14,434
Canyon	2	3,114	3,116
Caribou	44,164	51,804	95,968
Cassia	1,368	4,209	5,577
Clark	11,374	10,301	21,675
Custer	8,812	14,470	23,282
Elmore	20,301	35,764	56,065
Franklin	6,074	9,934	16,008
Fremont	25,680	42,625	68,305
Gem	877	4,697	5,574
Gooding	3	706	709
Jefferson	13	1,561	1,574
Jerome	([1])	345	345
Lemhi	8,558	38,633	47,191
Lincoln	1	200	201
Madison	17,477	14,255	31,732
Minidoka	--	278	278
Oneida	1,387	1,438	2,825
Owyhee	4,744	34,116	38,860
Payette	1	1,174	1,175
Power	11,530	15,620	27,150
Teton	1,603	23,969	25,572
Twin Falls	1	2,082	2,083
Valley	139,327	223,234	362,561
Washington	25,666	17,206	42,872
Total	566,928	995,645	1,562,573
Total Idaho	2,396,729	5,565,816	7,962,545

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Table 70.--Net volume of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1981

County	State	Private	Total
	Thousand board feet - - - - - - - International ¼-inch rule - - - - - -		
Northern Idaho:			
Benewah	702,648	2,323,151	3,025,799
Bonner	1,613,105	2,170,629	3,783,734
Boundary	744,222	930,726	1,674,948
Clearwater	3,202,570	3,379,310	6,581,880
Idaho	766,746	1,936,534	2,703,280
Kootenai	364,395	2,440,992	2,805,387
Latah	515,611	1,756,355	2,271,966
Lewis	14,319	488,973	503,292
Nez Perce	70,703	651,035	721,738
Shoshone	987,312	2,996,839	3,984,151
Total	8,981,631	19,074,544	28,056,175
Southern Idaho:			
Ada	1,122	21,204	22,326
Adams	298,961	605,730	904,691
Bannock	148,766	97,511	246,277
Bear Lake	7,750	32,769	40,519
Bingham	38,071	126,616	164,687
Blaine	24,220	102,225	126,445
Boise	456,377	678,228	1,134,605
Bonneville	33,872	97,167	131,039
Butte	1,759	14,834	16,593
Camas	27,257	34,558	61,815
Canyon	7	14,132	14,139
Caribou	136,761	137,795	274,556
Cassia	5,113	16,866	21,979
Clark	42,689	32,444	75,133
Custer	35,835	67,918	103,753
Elmore	95,845	159,320	255,165
Franklin	18,871	17,967	36,838
Fremont	72,713	140,374	213,087
Gem	4,155	21,935	26,090
Gooding	16	3,391	3,407
Jefferson	62	6,863	6,925
Jerome	2	1,634	1,636
Lemhi	32,103	178,401	210,504
Lincoln	4	946	950
Madison	45,608	53,292	98,900
Minidoka	-	1,315	1,315
Oneida	4,946	4,468	9,414
Owyhee	22,362	111,129	133,491
Payette	4	5,652	5,656
Power	46,521	46,265	92,786
Teton	6,012	72,362	78,374
Twin Falls	3	7,389	7,392
Valley	677,075	984,742	1,661,817
Washington	127,019	78,377	205,396
Total	2,411,881	3,975,819	6,387,700
Total Idaho	11,393,512	23,050,363	34,443,875

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Table 71.--Net volume of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1981

County	State	Private	Total
	- - - Thousand board feet, Scribner rule - - -		
Northern Idaho:			
Benewah	604,298	1,949,797	2,554,095
Bonner	1,376,750	1,801,953	3,178,703
Boundary	630,553	771,530	1,402,083
Clearwater	2,764,419	2,872,267	5,636,686
Idaho	660,663	1,646,814	2,307,477
Kootenai	309,346	2,039,307	2,348,653
Latah	443,848	1,486,251	1,930,099
Lewis	12,268	410,876	423,144
Nez Perce	60,837	547,299	608,136
Shoshone	851,466	2,522,459	3,373,925
Total	7,714,448	16,048,553	23,763,001
Southern Idaho:			
Ada	939	17,923	18,862
Adams	256,596	508,506	765,102
Bannock	125,498	81,293	206,791
Bear Lake	6,526	27,578	34,104
Bingham	31,977	106,570	138,547
Blaine	20,387	86,920	107,307
Boise	382,022	569,844	951,866
Bonneville	28,390	81,113	109,503
Butte	1,482	12,561	14,043
Camas	23,134	29,040	52,174
Canyon	6	12,035	12,041
Caribou	114,962	114,837	229,799
Cassia	4,304	14,287	18,591
Clark	35,935	27,077	63,012
Custer	30,219	57,678	87,897
Elmore	80,149	134,000	214,149
Franklin	15,865	15,000	30,865
Fremont	60,950	117,199	178,149
Gem	3,473	18,607	22,080
Gooding	14	2,907	2,921
Jefferson	52	5,886	5,938
Jerome	1	1,380	1,381
Lemhi	27,028	151,131	178,159
Lincoln	3	799	802
Madison	38,209	45,045	83,254
Minidoka	--	1,111	1,111
Oneida	4,166	3,810	7,976
Owyhee	18,781	93,160	111,941
Payette	3	4,860	4,863
Power	39,327	38,564	77,891
Teton	5,053	60,587	65,640
Twin Falls	2	6,256	6,258
Valley	579,556	827,070	1,406,626
Washington	108,993	66,148	175,141
Total	2,044,002	3,340,782	5,384,784
Total Idaho	9,758,450	19,389,335	29,147,785

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Table 72.--Net annual growth of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- - - - - Thousand cubic feet - - - - -		
Northern Idaho:			
Benewah	3,230	18,914	22,144
Bonner	10,606	22,634	33,240
Boundary	5,462	10,028	15,490
Clearwater	12,378	22,041	34,419
Idaho	3,308	10,507	13,815
Kootenai	2,452	20,607	23,059
Latah	2,212	12,567	14,779
Lewis	74	3,914	3,988
Nez Perce	302	5,190	5,492
Shoshone	4,239	23,213	27,452
Total	44,263	149,615	193,878
Southern Idaho:			
Ada	9	124	133
Adams	1,737	4,142	5,879
Bannock	1,155	1,276	2,431
Bear Lake	84	462	546
Bingham	510	1,634	2,144
Blaine	187	631	818
Boise	3,105	4,071	7,176
Bonneville	458	1,431	1,889
Butte	13	85	98
Camas	133	262	395
Canyon	--	99	99
Caribou	1,553	2,207	3,760
Cassia	40	156	196
Clark	320	389	709
Custer	234	373	607
Elmore	666	952	1,618
Franklin	214	559	773
Fremont	741	1,557	2,298
Gem	29	121	150
Gooding	--	24	24
Jefferson	1	56	57
Jerome	--	14	14
Lemhi	247	1,016	1,263
Lincoln	--	8	8
Madison	603	498	1,101
Minidoka	--	11	11
Oneida	44	77	121
Owyhee	144	1,312	1,456
Payette	--	38	38
Power	308	644	952
Teton	46	951	997
Twin Falls	--	86	86
Valley	3,835	6,542	10,377
Washington	737	425	1,162
Total	17,153	32,233	49,386
Total Idaho	61,416	181,848	243,264

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Table 73.--Net annual growth of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	Thousand board feet - - - International ¼-inch rule - - -		
Northern Idaho:			
Benewah	14,210	68,334	82,544
Bonner	49,005	79,552	128,557
Boundary	22,776	34,482	57,258
Clearwater	61,129	82,229	143,358
Idaho	16,417	43,553	59,970
Kootenai	10,905	78,014	88,919
Latah	10,544	47,846	58,390
Lewis	320	15,404	15,724
Nez Perce	1,451	20,219	21,670
Shoshone	19,160	84,023	103,183
Total	205,917	553,656	759,573
Southern Idaho:			
Ada	42	580	622
Adams	8,697	21,743	30,440
Bannock	5,386	4,267	9,653
Bear Lake	324	1,338	1,662
Bingham	1,955	5,035	6,990
Blaine	964	2,800	3,764
Boise	16,509	21,359	37,868
Bonneville	1,878	4,294	6,172
Butte	68	392	460
Camas	719	1,044	1,763
Canyon	1	418	419
Caribou	6,474	6,308	12,782
Cassia	192	599	791
Clark	1,544	1,419	2,963
Custer	1,183	1,836	3,019
Elmore	3,542	4,512	8,054
Franklin	891	867	1,758
Fremont	3,157	6,018	9,175
Gem	155	595	750
Gooding	1	102	103
Jefferson	2	214	216
Jerome	--	56	56
Lemhi	1,183	4,941	6,124
Lincoln	--	32	32
Madison	2,304	1,996	4,300
Minidoka	--	45	45
Oneida	199	146	345
Owyhee	751	4,607	5,358
Payette	--	165	165
Power	1,553	2,032	3,585
Teton	223	3,115	3,338
Twin Falls	--	271	271
Valley	18,770	34,153	52,923
Washington	3,678	2,098	5,776
Total	82,345	139,397	221,742
Total Idaho	288,262	693,053	981,315

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Table 74.--Net annual growth of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- Thousand board feet, Scribner rule -		
Northern Idaho:			
Benewah	12,716	62,121	74,837
Bonner	43,759	71,568	115,327
Boundary	20,420	31,056	51,476
Clearwater	53,791	73,412	127,203
Idaho	14,481	39,454	53,935
Kootenai	9,779	70,886	80,665
Latah	9,253	42,516	51,769
Lewis	282	13,546	13,828
Nez Perce	1,274	17,826	19,100
Shoshone	17,031	76,447	93,478
Total	182,786	498,832	681,618
Southern Idaho:			
Ada	36	516	552
Adams	7,700	19,284	26,984
Banrock	4,662	3,746	8,408
Bear Lake	278	1,181	1,459
Bingham	1,635	4,457	6,092
Blaine	844	2,522	3,366
Boise	14,120	18,968	33,088
Bonneville	1,568	3,767	5,335
Butte	59	350	409
Camas	631	927	1,558
Canyon	1	376	377
Caribou	5,449	5,519	10,968
Cassia	166	533	699
Clark	1,353	1,245	2,598
Custer	1,046	1,654	2,700
Elmore	3,022	4,021	7,043
Franklin	747	756	1,503
Fremont	2,785	5,296	8,081
Gem	132	533	665
Gooding	1	91	92
Jefferson	2	192	194
Jerome	--	48	48
Lemhi	1,046	4,439	5,485
Lincoln	--	28	28
Madison	1,968	1,778	3,746
Minidoka	--	39	39
Oneida	171	130	301
Owyhee	647	4,062	4,709
Payette	--	150	150
Power	1,353	1,781	3,134
Teton	196	2,744	2,940
Twin Falls	--	238	238
Valley	16,742	30,283	47,025
Washington	3,259	1,869	5,128
Total	71,619	123,523	195,142
Total Idaho	254,405	622,355	876,760

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Table 75.--Annual mortality of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- - - - - Thousand cubic feet - - - - -		
Northern Idaho:			
Benewah	210	2,947	3,157
Bonner	184	1,642	1,826
Boundary	166	544	710
Clearwater	2,112	2,540	4,652
Idaho	496	2,392	2,888
Kootenai	107	2,886	2,993
Latah	383	1,131	1,514
Lewis	11	323	334
Nez Perce	51	420	471
Shoshone	238	3,791	4,029
Total	3,958	18,616	22,574
Southern Idaho:			
Ada	--	13	13
Adams	49	514	563
Bannock	14	251	265
Bear Lake	3	79	82
Bingham	5	278	283
Blaine	4	76	80
Boise	15	521	536
Bonneville	--	270	270
Butte	1	9	10
Camas	1	36	37
Canyon	--	7	7
Caribou	22	426	448
Cassia	3	18	21
Clark	3	79	82
Custer	9	44	53
Elmore	3	112	115
Franklin	2	79	81
Fremont	21	327	348
Gem	--	13	13
Gooding	--	2	2
Jefferson	--	5	5
Jerome	--	--	--
Lemhi	9	128	137
Lincoln	--	--	--
Madison	5	89	94
Minidoka	--	--	--
Oneida	1	6	7
Owyhee	3	248	251
Payette	--	3	3
Power	2	121	123
Teton	6	175	181
Twin Falls	--	10	10
Valley	274	812	1,086
Washington	24	53	77
Total	479	4,804	5,283
Total Idaho	4,437	23,420	27,857

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Table 76.--Annual mortality of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	Thousand board feet - - - International ¼-inch rule - - -		
Northern Idaho:			
Benewah	1,038	10,582	11,620
Bonner	672	5,980	6,652
Boundary	228	2,099	2,327
Clearwater	12,316	8,943	21,259
Idaho	2,853	9,263	12,116
Kootenai	454	10,640	11,094
Latah	2,161	4,189	6,350
Lewis	57	1,384	1,441
Nez Perce	288	1,766	2,054
Shoshone	1,324	13,599	14,923
Total	21,391	68,445	89,836
Southern Idaho:			
Ada	--	55	55
Adams	266	2,393	2,659
Bannock	31	611	642
Bear Lake	--	150	150
Bingham	--	649	649
Blaine	13	288	301
Boise	59	2,315	2,374
Bonneville	--	545	545
Butte	1	41	42
Camas	2	79	81
Canyon	--	33	33
Caribou	34	744	778
Cassia	8	55	63
Clark	9	189	198
Custer	29	192	221
Elmore	7	401	408
Franklin	2	51	53
Fremont	39	878	917
Gem	--	57	57
Gooding	--	7	7
Jefferson	--	13	13
Jerome	--	--	--
Lemhi	27	479	506
Lincoln	--	--	--
Madison	1	262	263
Minidoka	--	--	--
Oneida	1	7	8
Owyhee	--	619	619
Payette	--	14	14
Power	4	271	275
Teton	21	358	379
Twin Falls	--	15	15
Valley	1,526	3,899	5,425
Washington	130	212	342
Total	2,210	15,882	18,092
Total Idaho	23,601	84,327	107,928

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Table 77.--Annual mortality of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County	State	Private	Total
	- Thousand board feet, Scribner rule -		
Northern Idaho:			
Benewah	903	8,882	9,785
Bonner	563	4,988	5,551
Boundary	189	1,735	1,924
Clearwater	10,700	7,539	18,239
Idaho	2,472	8,107	10,579
Kootenai	385	8,915	9,300
Latah	1,869	3,509	5,378
Lewis	50	1,148	1,198
Nez Perce	250	1,466	1,716
Shoshone	1,163	11,427	12,590
Total	18,544	57,716	76,260
Southern Idaho:			
Ada	--	47	47
Adams	232	2,030	2,262
Bannock	26	510	536
Bear Lake	--	125	125
Bingham	--	546	546
Blaine	10	249	259
Boise	50	1,975	2,025
Bonneville	--	455	455
Butte	1	36	37
Camas	1	68	69
Canyon	--	29	29
Caribou	29	622	651
Cassia	7	46	53
Clark	8	158	166
Custer	24	166	190
Elmore	6	346	352
Franklin	2	43	45
Fremont	33	733	766
Gem	--	50	50
Gooding	--	6	6
Jefferson	--	11	11
Jerome	--	--	--
Lemhi	22	414	436
Lincoln	--	--	--
Madison	1	221	222
Minidoka	--	--	--
Oneida	1	6	7
Owyhee	--	518	518
Payette	--	12	12
Power	3	227	230
Teton	18	300	318
Twin Falls	--	13	13
Valley	1,295	3,311	4,606
Washington	113	183	296
Total	1,882	13,456	15,338
Total Idaho	20,426	71,172	91,598

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Table 78.--Annual removals[1] of growing stock on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
	- - - - Thousand cubic feet - - - - -		
Northern Idaho:			
Benewah	1,152	14,643	15,795
Bonner	1,199	13,886	15,085
Boundary	1,029	7,341	8,370
Clearwater	14,510	68,727	83,237
Idaho	4,526	9,019	13,545
Kootenai	231	10,130	10,361
Latah	1,321	18,390	19,711
Lewis and Nez Perce	73	4,887	4,960
Shoshone	2,252	26,252	28,504
Total	26,293	173,275	199,568
Southern Idaho:			
Adams	211	7,904	8,115
Boise	860	1,552	2,412
Clark	--	--	--
Cluster and Lemhi	4	41	45
Elmore	181	947	1,128
Fremont	423	52	475
Gem	23	3	26
Teton	--	71	71
Valley	955	14,123	15,078
Other counties[2]	202	94	296
Total	2,859	24,787	27,646
Total Idaho	29,152	198,062	227,214

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

[2]Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

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Table 79.--Annual removals[1] of sawtimber (International ¼-inch rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
	Thousand board feet - - - - - - International ¼-inch rule - - - - - -		
Northern Idaho:			
Benewah	6,671	83,364	90,035
Bonner	6,715	79,660	86,375
Boundary	6,007	42,493	48,500
Clearwater	83,126	395,440	478,566
Idaho	26,017	52,118	78,135
Kootenai	1,290	58,551	59,841
Latah	7,734	105,347	113,081
Lewis and Nez Perce	417	27,907	28,324
Shoshone	12,692	150,249	162,941
Total	150,669	995,129	1,145,798
Southern Idaho:			
Adams	1,142	46,259	47,401
Boise	5,086	9,175	14,261
Clark	--	--	--
Cluster and Lemhi	22	244	266
Elmore	1,071	5,600	6,671
Fremont	2,502	307	2,809
Gem	137	15	152
Teton	--	418	418
Valley	5,608	82,294	87,902
Other counties[2]	1,191	555	1,746
Total	16,759	144,867	161,626
Total Idaho	167,428	1,139,996	1,307,424

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

[2]Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

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Table 80.--Annual removals[1] of sawtimber (Scribner rule) on State and privately owned timberland in Idaho by county and ownership class, 1980

County or county groups	State	Private	Total
	- - Thousand board feet, Scibner rule - -		
Northern Idaho:			
Benewah	5,373	69,410	74,783
Bonner	5,724	66,248	71,972
Boundary	4,893	35,017	39,910
Clearwater	69,288	328,149	397,437
Idaho	21,616	43,045	64,661
Kootenai	1,103	48,351	49,454
Latah	6,259	87,743	94,002
Lewis and Nez Perce	349	23,332	23,681
Shoshone	10,759	125,356	136,115
Total	125,364	826,651	952,015
Southern Idaho:			
Adams	992	37,739	38,731
Boise	4,107	7,410	11,517
Clark	--	--	--
Custer and Lemhi	17	194	211
Elmore	865	4,523	5,388
Fremont	2,022	247	2,269
Gem	110	15	125
Teton	--	339	339
Valley	4,551	67,400	71,951
Other counties[2]	962	451	1,413
Total	13,626	118,318	131,944
Total Idaho	138,990	944,969	1,083,959

[1]Includes sawlogs, veneer logs, pulpwood, cedar products, utility poles, house logs, posts and poles, logging residues, and other removals.

[2]Includes Ada, Bannock, Bear Lake, Bingham, Blaine, Bonneville, Butte, Camas, Canyon, Caribou, Cassia, Franklin, Gooding, Jefferson, Jerome, Lincoln, Madison, Minidoka, Oneida, Owyhee, Payette, Power, Twin Falls, and Washington Counties.

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Van Hooser, Dwane D.; Green, Alan W. Idaho's State and private forest resource. Resource Bulletin INT-37. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station; 1985. 78 p.

Presents land area, timberland area, timber volume, and components of change for the State and private forest lands in Idaho.

KEYWORDS: forest survey, timberland, inventory volume

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The Intermountain Research Station, headquartered in Ogden, Utah, is one of eight Forest Service Research stations charged with providing scientific knowledge to help resource managers meet human needs and protect forest and range ecosystems.

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